

ACCO

COPAQUEN PIPE VALLEY 10 FEDERAL 713
NW NE 10-39N-5W, MOHAVE COUNTY

COUNTY MOHAVE AREA 10 mi. SW Mocassin, AZ LEASE NO. Federal A-8084

WELL NAME COPAQUEN ASSOCIATES PIPE VALLEY 1A-10 Federal *14-7-81 location changed*

LOCATION	NW NE	SEC	10	TWP	39N	RANGE	5W	FOOTAGE	590	FNL, 2145'	FEL
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ELEV	4826'	GR	KB	SPUD DATE	4-8-81	STATUS	Dry hole	TOTAL	
						COMP. DATE	6-10-81	DEPTH	1600

CONTRACTOR

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY
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DRILLED BY CABLE TOOL

PRODUCTIVE RESERVOIR

INITIAL PRODUCTION _____

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
Menkopi	Surf			numerous oil shows as noted
Shnabkaib mbr	130'			on completion reports dated
Middle red mbr	350'			6-10-81 and 7-1-81
Virgin ls. mbr	820'			
Lower red mbr	865			
Kaibab ls				
Harrisburg mbr	1035'			
Beta mbr	1255'			Lost circulation 1286' - drilled blind 1286'-1600'
T.D. Tokowap Fan	1600'			

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG
<i>none</i>			SAMPLE DESCRI.
		<i>6 to 12 ft</i>	SAMPLE NO. <i>1823</i>
		<i>0-1286</i>	CORE ANALYSIS
		<i>lost circulation below 1286</i>	DSTs <i>none</i>
REMARKS	<i>~30' se of #1 hole</i>		APP. TO PLUG
			PLUGGING REP.
			COMP. REPORT

WATER WELL ACCEPTED BY

BOND CO.	CASH	BOND NO.
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BOND AMT. \$ 5,000 CANCELLED ORGANIZATION REPORT

FILING RECEIPT 1886 LOC. PLAT x WELL BOOK x PLAT BOOK x

API NO. 02-015-20011 DATE ISSUED 4-10-81 DEDICATION W/2 NE/4

PERMIT NUMBER 713

(over)

NO.	FROM	TO	RESULTS
			<i>none</i>

CURE RECORD				
NO.	FROM	TO	RECOVERY	REMARKS
				<i>none</i>

DATE STARTED - COMPLETED		WORK PERFORMED	NEW PERFORATIONS

ADDITIONAL INFORMATION

RECEIVED

JUL 2 1981

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

DESIGNATE TYPE OF COMPLETION:

O & G CONS. COMM.

New Well ☐ Work-Over ☐ Deepen ☐ Plug Back ☐ Same Reservoir ☐ Different Reservoir ☐ Oil ☐ Gas ☐ Dry ☒

DESCRIPTION OF WELL AND LEASE

Operator COPAGUEN ASSOCIATES, INC. Address 521 5TH AVE #1700, NYC 10017
Federal, State or Indian Lease Number or name of lessor if fee lease A-8084 Well Number 1-A Field & ReservoirLocation 590' N, 2145' E Sec 10. County MohaveSec TWP-Range or Block & Survey Sec 10, T. 39N, R. 5WDate spudded 8 Apr 1981 Date total depth reached 6 June 1981 Date completed, ready to produce 48-34 KB Elevation (DF, RKB, RT or Gr.) feet Elevation of casing hd. Range feet
Total depth 1600' P.B.T.D. Single, dual or triple completion? If this is a dual or triple completion, furnish separate report for each completion.Producing interval (s) for this completion Rotary tools used (interval) Air-hammer Cable tools used (interval)

Was this well directionally drilled? Was directional survey made? Was copy of directional survey filed? Date filed

Type of electrical or other logs run (check logs filed with the commission) No logs run Date filed

CASING RECORD

Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)

Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	Amt. pulled
Surface	11"	8 5/8	28#	300'	175	

TUBING RECORD

LINER RECORD

Size	Depth set	Packer set at	Size	Top	Bottom	Sacks cement	Screen (ft.)
in.	ft.	ft.	in.	ft.	ft.		

PERFORATION RECORD

ACID, SHOT, FRACTURE CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Amt. & kind of material used	Depth Interval
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INITIAL PRODUCTION

Date of first production Dry - oil shows Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump:)

Date of test	Hrs. tested	Choke size	Oil prod. during test	Gas prod. during test	Water prod. during test	Oil gravity
			bbbl.	MCF	bbbl.	* API (Corr)

Tubing pressure	Casing pressure	Cal'd rate of Production per 24 hrs.	Oil	Gas	Water	Gas-oil ratio
			bbbl.	MCF	bbbl.	

Disposition of gas (state whether vented, used for fuel or sold):

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the President of the Copaguen Associates, Inc. (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.Date 1 July 1981Signature [Signature]

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STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

Well Completion or Recompletion Report and Well Log

File One Copy

Form No. 4

(Complete Reverse Side)

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
Spud in Tm			
Shnabkaib	130'	350'	Oil shows 225-250, 270-290, 340-350
Middle Red	350'	820'	
Virgin Ls.	820'	865'	Oil shows 820-825, 850-865
Lower Red	865'	1035'	
Kaibab Ls.			
Harrisburg	1035'	1255'	Oil show 1035-1070
Beta Member	1255'	?	Lost circulation 1286'
			Well drilled blind 1286-1600'
			TD 1600' in Toroweap Fm.

* Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

INSTRUCTIONS:

Attach driller's log or other acceptable log of well.

This Well Completion or Recompletion report and well log shall be filed with the State of Arizona Gas Conservation Commission not later than thirty days after project completion.

Form No. 4

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
Spud in Tm			
Shnabkaib	130'	350'	Oil shows 225-250, 270-290, 340-350
Middle Red	350'	820'	
Virgin Ls.	820'	865'	Oil shows 820-825, 850-865
Lower Red	865'	1035'	
Kaibab Ls.			
Harrisburg	1035'	1255'	Oil show 1035-1070
Beta Member	1255'	?	Lost circulation 1286'
			Well drilled blind 1286-1600'
			TD 1600' in Toroweap Fm.

* Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

INSTRUCTIONS:

Attach drillers log or other acceptable log of well.

This Well Completion or Recompletion report and well log shall be filed with the State of Arizona & Gas Conservation Commission not later than thirty days after project completion.

RECEIVED

JUN 11 1981

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

O & G CONS. COMM.

DESIGNATE TYPE OF COMPLETION:

New Well ☐ Work-Over ☐ Deepen ☐ Plug Back ☐ Same Reservoir ☐ Different Reservoir ☐ Oil ☐ Gas ☐ Dry ☒

DESCRIPTION OF WELL AND LEASE

Operator Copaquen Associates, Inc. Address 521 Fifth Ave., New York, N.Y.

Federal, State or Indian Lease Number or name of lessor if fee lease A-8084 Well Number 1-A Field & Reservoir Pipe Valley

Location 590'/N, 2145'/E Sec. 10 (NW NE) County Mohave

Sec TWP-range or Block & Survey Sec. 10, T. 39 N., R. 5 W. GSRM

Date spudded 8 April 1981 Date total depth reached 6 June 1981 Date completed, ready to produce Elevation (DY, REB, BT or Gr.) 4834' KB feet Elevation of casing hd. Range feet

Total depth 1,600 feet P.B.T.D. Single, dual or triple completion? If this is a dual or triple completion, furnish separate report for each completion.

Producing interval (s) for this completion Rotary tools used (interval) Air-hammer Cable tools used (interval)

Was this well directionally drilled? Was directional survey made? Was copy of directional survey filed? Date filed

Type of electrical or other logs run (check logs filed with the commission) None due to bad hole conditions Date filed

CASING RECORD

Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)

Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	Amt. pulled
Surface	11"	8 5/8"	28#	300'	175 SX	

TUBING RECORD

LINER RECORD

Size in.	Depth set ft.	Packer set at ft.	Size in.	Top ft.	Bottom ft.	Sacks cement	Screen (ft.)
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PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Amt. & kind of material used	Depth Interval
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INITIAL PRODUCTION

Date of first production Dry Hole, oil shows Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump:)

Date of test	hrs. tested	Choke size	Oil prod. during test bbls.	Gas prod. during test MCF	Water prod. during test bbls.	Oil gravity ° API (Corr)
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Tubing pressure	Casing pressure	Cal'd rate of Production per 24 hrs.	Oil bbls.	Gas MCF	Water bbls.	Gas-oil ratio
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Disposition of gas (state whether vented, used for fuel or sold):

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Geologist of the

Copaquen Associates (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

10 June 1981

Signature Edgar B. Heylmun

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STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Well Completion or Recompletion Report and Well Log
Form No. 4
File One Copy

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
Alluvium	Surface	20'	
Moenkopi Fm.			
Upper Red	20'	45'	
Shnabkaib	45'	350'	Oil shows 130-170, 180-200, 225-250 (some free oil), 270-290, 310-330, 340-350 (good odor)
Middle Red	350'	820'	
Virgin Ls.	820'	865'	Oil shows 820-830, 850-860 (good odor)
Lower Red	865'	1035'	
Kaibab Ls.			
Harrisburg	1035'	1255'	Oil shows 1035-1080 (good odor), 1150-1190, 1210-1220
Beta Member	1255'	1510?'	Lost circulation 1,286', drilled blind to 1,600'
Toroweap Fm.	1510?'		Estimated top of Toroweap at 1,510'
	TD 1,600'		TD in Toroweap Fm., no sample returns.
			No cores, no tests. Tools left in hole 40 hours at 1,600', no trace of oil on tools when pulled.
			There was a small amount of free brown oil in Shnabkaib between 225-250 feet. Strong odor, good cut, good fluorescence. Oil is in a dolomitic siltstone, appears tight. Shnabkaib Member of Moenkopi is a typical sea-margin sabkha deposit, but lacks good reservoir beds in this well.

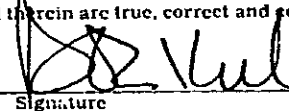
* Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

INSTRUCTIONS:

Attach drillers log or other acceptable log of well.

This Well Completion or Recompletion report and well log shall be filed with the State of Arizona Oil and Gas Conservation Commission not later than thirty days after project completion.

Form No. 4

PLUGGING RECORD					
Operator COPACUEN ASSOCIATES, INC		Address 521 5TH AVE, #1700, N. YIC 10027			
Federal, State, or Indian Lease Number, or lessor's name if fee lease. A - 8084		Well No. 1-A		Field & Reservoir Pipe Valley Wildcat	
Location of Well Sec. 10, T. 39 N, R. 50 E 590' N 2145' E Sec 10		Sec-Twp-Rge or Block & Survey		County Mohave	
Application to drill this well was filed in name of Same		Has this well ever produced oil or gas No		Character of well at completion (initial production): Oil (bbls/day) Gas (MCF/day) Dry? oil shows	
Date plugged: 15 June 1981		Total depth 1600'		Amount well producing when plugged: Oil (bbls/day) Gas (MCF/day) Water (bbls/day)	
Name of each formation containing oil or gas. Indicate which formation open to well-bore at time of plugging		Fluid content of each formation		Depth interval of each formation	
Shnabkaib		Oil shows		225-250; 340-350' Cement plug 200-400'	
Virgin Ls		Minor oil show		820-825'	
Kaibab Ls.		Minor oil show		1035-1070'	
				Surf. plug 0-40'	
CASING RECORD					
Size pipe	Put in well (ft.)	Pulled out (ft.)	Left in well (ft.)	Give depth and method of parting casing (shot, ripped, etc.)	Packers and shoes
8 5/8	300'	-	300'		
Was well filled with mud-laden fluid, according to regulations? Yes			Indicate deepest formation containing fresh water. Not known		
NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE					
Name		Address		Direction from this well:	
Bruce McDaniel		Mocassin, AZ		NE	
In addition to other information required on this form, if this well was plugged back for use as a fresh water well, give all pertinent details of plugging operations to base of fresh water sand, perforated interval to fresh water sand, name and address of surface owner, and attach letter from surface owner authorizing completion of this well as a water well and agreeing to assume full liability for any subsequent plugging which might be required.					
Use reverse side for additional detail.					
CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the President of the COPACUEN ASSOCIATES, INC (company) and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.					
Date 1 July 1981		RECEIVED  Signature			
		JUL 2 1981			
O & G CONS. COMM.			STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Plugging Record File One Copy		
Permit No. 713			Form No. 10		

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JUL 2 1981

O & G CONS. COMM.

APPLICATION TO ABANDON AND PLUG

FIELD Pipe Valley Wildcat
 OPERATOR COPAQUEN ASSOCIATES, INC. ADDRESS 521 5TH AVE #1700 NYC 10017
 Federal, State, or Indian Lease Number A-8084 WELL NO. 1-A
 or Lessor's Name if Fee Lease
 LOCATION SEC. 10, T. 39N., R. 5W. E. 590'/N,
2.145'/E SEC 10 Mohave County Arizona
 TYPE OF WELL OIL & GAS (Dry hole) TOTAL DEPTH 1600'
 (Oil, Gas or Dry Hole)
 ALLOWABLE (If Assigned)
 LAST PRODUCTION TEST OIL _____ (Bbls.) WATER _____ (Bbls.)
 GAS _____ (MCF) DATE OF TEST _____
 PRODUCING HORIZON _____ PRODUCING FROM _____ TO _____

1. COMPLETE CASING RECORD.

8 5/8" @ 300' w/ 175 sx

2. FULL DETAILS OF PROPOSED PLAN OF WORK

Set cement plug 200-400'
Set cement plug w/ marker 0-40'
Clean up site

DATE COMMENCING OPERATIONS 15 June 1981
 NAME OF PERSON DOING WORK J. Grimshaw ADDRESS Cedar City, UT
 Signature Edgar B. [Signature]
 Title Geologist
 Address 3660 E. 3rd St. B-3, Tucson, AZ
 Date 10 June 1981

Date Approved 7-2-81
 STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 By: [Signature]

Permit No. 713

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Application to Abandon and Plug
 File Two Copies
 Form No. 9

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JUN 11 1981

O & G CONS. COMM.

APPLICATION TO ABANDON AND PLUG

FIELD Pipe Valley

OPERATOR Copaquen Associates, Inc. ADDRESS 521 Fifth Ave., New York, N.Y.

Federal, State, or Indian Lease Number A-8084 WELL NO. 1-A

or Lessor's Name if Fee Lease

LOCATION 590'/N, 2145'/E Sec. 10, T. 39 N., R. 5 W. GSRM (NW NE Sec. 10)

TYPE OF WELL Dry Hole, oil shows TOTAL DEPTH 1,600'
(Oil, Gas or Dry Hole)

ALLOWABLE (If Assigned)

LAST PRODUCTION TEST OIL (Bbls.) WATER (Bbls.)

GAS (MCF) DATE OF TEST

PRODUCING HORIZON Dry Hole PRODUCING FROM TO

1. COMPLETE CASING RECORD.

Surface casing: 8 5/8" @ 300' w/ 175 sx

2. FULL DETAILS OF PROPOSED PLAN OF WORK.

Will cement plug between 200 and 400', will cement surface plug 0-40'

Will set marker.

Will backfill pits and clean-up site.

DATE COMMENCING OPERATIONS 10 June 1981

NAME OF PERSON DOING WORK J. Grimshaw ADDRESS Cedar City, Utah

Signature Edgar B. Heylmun
Geologist Heylmun's Mem # 323 9672

Title

Address 3660 E. 3rd St. B-3, Tucson, AZ 85716

Date 9 June 1981

Date Approved

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

By: Permit No. 713

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Application to Abandon and Plug
File Two Copies

Form No. 9

Copaquen Pipe Valley #1 713
 NW/NE SEC 10, T39N-R5W MOHAVE CO
 ELEV. 4824+ ~~EST. T.D. 2175 EEL~~
 Spud date 3-19-81 380
 7" @ 196 CEMENT WT 7 sks
 4-1-81 T.D. 280' Will P&H

THIS WELL P&H AS ORDERED BY USGS

Copaquen Pipe Valley 1-A 713
 600 ELEV 2140 EEL NW/NE 4 SEC 10, T39N R 5W
 ELEV. 4826 EST. T.D. 2100
 Spud date 1
 4-20-81 T.D. 310 - REPAIRING HOLE & O
 8 3/4" @ 300' SET SURFACE
 5-16-81 870' LOWER MOEN KOPF
 5-22-81 1310 best @ 100
 6-6-81 1450 NO RETURNS 1400 CEM @ 250 PSI
 P&H to test from 1400 to 1510
 6-9-81 1600 T.D. PREPARING TO plug
 OVER

Sulphur water 105 PPM. 70-130'
 Oil shows Reported

223.

235-250 FREE OIL 3

260-280 staining

310-350 streaked blue oil No visible Por+Perm

(COPAQUEN No. 1-A Federal)

NW/4 NE/4 Sec. 10, T. 39 N., R. 5 W., Mohave County, Arizona
590'/N, 2145'/E Sec. 10
Pipe Valley Area

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JUN 11 1981

O & G CONS. COMM.

Spud: 8 April 1981
Ceased Drilling: 6 June 1981
Total Depth: 1,600 feet. Aband. because of lost circ.
Surface Casing: 8 5/8" @ 300' w/175 sx
Bit Size: 7" Drilled to T.D. with one button bit.
Drilling Contractor: Grimshaw Drilling Co.,
Cedar City, Utah
Drilling Method: Air-hammer, using foam
Sample Quality: Fair to Poor
Sample Examination: Edgar B. Heylmun, geologist

Sample Description

Spud in Alluvium

0-20' Alluvium. Silt and sand, reddish

Top of Moenkopi Formation 20'

Upper Red Member

20-45' Shale and siltstone, red-brown to chocolate-brown, sl. calc.,
w/ thin streaks of greenish-gray to gray shale and siltstone.
Scattered gypsum.

Top (?) of Shnabkaib Member 45'

45-70' Sandstone, l. gray, v.f.g., sl. calc., micaceous streaks,
w/ thin streaks of siltstone, reddish, and conglomerate,
reddish.

70-130' WATER SAND. Sandstone, l. gray, f.g., friable, fair porosity
and permeability. Cold sulfur water, est. 10 gal/hr. Thin
streaks of red and gray shale interbedded w/ ss.

Top (?) of Shnabkaib Member 130' (The above water sand possibly corre-
lates with sandy beds at the base of the Upper Red on outcrop.)

130-170' Siltstone and shale, l. greenish-gray to gray, gypsiferous,
dolomitic, pyritic. Thin streaks of reddish sh. and siltstone.

170-180' Shale, l. greenish-gray, gypsiferous, dolomitic, silty,
w/siltstone, l. gray, micaceous.

180-210' Siltstone, l. greenish-gray, shaly; gypsiferous, dolomitic,
pyritic, w/shale, l. greenish-gray, silty.

210-225' Shale, l. greenish-gray, silty, gypsiferous, dolomitic,
pyritic.

225-250' OIL SAND. Siltstone, brown, dolomitic, w/ live brown oil
saturation in favorable intervals. Best zone appears to be
between 225-235'. Strong yellow-green fluorescence, strong
odor of sweet crude, strong cut of brown oil in CCl₄. Driller
reported small amount of free brown oil in hole, blown out in
blooey line. Zone appears to have relatively low porosity
and permeability. There are a few interbeds of silty green-
gray shale in the zone.

250-270' Shale, l. greenish-gray, silty, gypsiferous, micaceous,
pyritic, w/streaks of siltstone, brown, dolomitic, stained
w/ live brown oil. Good fluorescence, good cut, good odor.

- 270-290' Same as above, but with less oil staining.
 290-300' Shale, l. greenish-gray, dolomitic, gypsiferous, pyritic.
 300-330' Siltstone, l. gray to grayish-brown, dolomitic, gypsiferous, pyritic, weak to strong yellow-green fluorescence, good cut, good odor of crude. No visible porosity or permeability. Streaks of shale, greenish-gray, gypsiferous, along with some white crystalline gypsum.
 330-340' Shale, greenish-gray, silty, gypsiferous.
 340-350' Siltstone, gray to brown, micaceous, dolomitic, streaked live brown oil saturation, strong odor of sweet crude, strong yellow to yellow-green fluorescence, strong cut with CCl₄. Zone appears to have low porosity and permeability. Shale, greenish-gray, gypsiferous, is interbedded with the siltstone.

Top of Middle Red Member 350'

- 350-820' Shale, red-brown, maroon, chocolate-brown, silty, w/ siltstone, red-brown, sl. calc. Scattered gypsum in nodules and in small veinlets. Thin streaks of gray and greenish-gray shale and siltstone, dolomitic, throughout zone. Spotty yellow fluorescence in upper 30 feet may be in cavings.

Top of Virgin Limestone Member 820'

- 820-825' Limestone, orange to gray, dolomitic, spotty yellow fluorescence, good odor of crude, no observable cut. Upper bench of Virgin Limestone contains oil staining in small vugs at outcrops 8 miles to the east, but vugs not observed in samples.
 825-830' Shale, dark gray-brown, silty, calcareous.
 830-850' Shale, gray to gray-brown, silty, calc., and shale, chocolate-brown and streaks of green shale and gray silty limestone.
 850-865' Limestone, gray, silty, dolomitic, weak spotty yellow fluorescence, faint odor, no visible cut, no visible porosity or permeability. Interbedded with shale, gray, silty, calc.

Top of Lower Red Member 865'

- 865-1035' Shale, red-brown to chocolate-brown, silty, w/siltstone, gray-brown, calcareous. Some sandstone, buff, f.g., in lower 50 feet of zone. Thin streaks of gray to green shale and siltstone throughout zone.

Top of Kaibab Limestone 1035'

Harrisburg Member

- 1035-1070' Limestone, white to l. gray, dolomitic, silty, scattered gray chert nodules, a few scattered vugs, fair yellow to yellow-green fluorescence, good odor of crude, faint cut w/ CCl₄. Interbedded w/ shale, red-brown to chocolate-brown, and siltstone, red-brown to gray, and sandstone, l. gray, f.g., calcareous.
 1070-1140' Anhydrite, white to l. gray, and limestone, gray to dark gray, dolomitic, finely xln., w/ scattered chert nodules. Spotty weak yellow fluorescence, no cut, fair odor. Streaks of siltstone and shale, red-brown and green.
 1040-1150' Siltstone, gray to buff, calc., limestone, white to l. gray, dolomitic w/ chert, and some anhydrite, white.
 1150-1190' Limestone, white to l. gray, sl. dolomitic, scattered chert, interbedded w/ siltstone, l. gray to reddish, calc., and shale, red-brown to green, and minor anhydrite.

- 270-290' Same as above, but with less oil staining.
 290-300' Shale, l. greenish-gray, dolomitic, gypsiferous, pyritic.
 300-330' Siltstone, l. gray to grayish-brown, dolomitic, gypsiferous, pyritic, weak to strong yellow-green fluorescence, good cut, good odor of crude. No visible porosity or permeability. Streaks of shale, greenish-gray, gypsiferous, along with some white crystalline gypsum.
 330-340' Shale, greenish-gray, silty, gypsiferous.
 340-350' Siltstone, gray to brown, micaceous, dolomitic, streaked live brown oil saturation, strong odor of sweet crude, strong yellow to yellow-green fluorescence, strong cut with CCl₄. Zone appears to have low porosity and permeability. Shale, greenish-gray, gypsiferous, is interbedded with the siltstone.

Top of Middle Red Member 350'

- 350-820' Shale, red-brown, maroon, chocolate-brown, silty, w/ siltstone, red-brown, sl. calc. Scattered gypsum in nodules and in small veinlets. Thin streaks of gray and greenish-gray shale and siltstone, dolomitic, throughout zone. Spotty yellow fluorescence in upper 30 feet may be in cavings.

Top of Virgin Limestone Member 820'

- 820-825' Limestone, orange to gray, dolomitic, spotty yellow fluorescence, good odor of crude, no observable cut. Upper bench of Virgin Limestone contains oil staining in small vugs at outcrops 8 miles to the east, but vugs not observed in samples.
 825-830' Shale, dark gray-brown, silty, calcareous.
 830-850' Shale, gray to gray-brown, silty, calc., and shale, chocolate-brown and streaks of green shale and gray silty limestone.
 850-865' Limestone, gray, silty, dolomitic, weak spotty yellow fluorescence, faint odor, no visible cut, no visible porosity or permeability. Interbedded with shale, gray, silty, calc.

Top of Lower Red Member 865'

- 865-1035' Shale, red-brown to chocolate-brown, silty, w/siltstone, gray-brown, calcareous. Some sandstone, buff, f.g., in lower 50 feet of zone. Thin streaks of gray to green shale and siltstone throughout zone.

Top of Kaibab Limestone 1035'

Harrisburg Member

- 1035-1070' Limestone, white to l. gray, dolomitic, silty, scattered gray chert nodules, a few scattered vugs, fair yellow to yellow-green fluorescence, good odor of crude, faint cut w/ CCl₄. Interbedded w/ shale, red-brown to chocolate-brown, and siltstone, red-brown to gray, and sandstone, l. gray, f.g., calcareous.
 1070-1140' Anhydrite, white to l. gray, and limestone, gray to dark gray, dolomitic, finely xln., w/ scattered chert nodules. Spotty weak yellow fluorescence, no cut, fair odor. Streaks of siltstone and shale, red-brown and green.
 1040-1150' Siltstone, gray to buff, calc., limestone, white to l. gray, dolomitic w/ chert, and some anhydrite, white.
 1150-1190' Limestone, white to l. gray, sl. dolomitic, scattered chert, interbedded w/ siltstone, l. gray to reddish, calc., and shale, red-brown to green, and minor anhydrite.

- 1190-1210' Siltstone, red-brown and gray, calc., interbedded w/ shale, reddish-orange, sl. calc. Some limestone, white, dolomitic, f. xln., w/ scattered gray chert.
- 1210-1230' Anhydrite, white to l. gray, and limestone, white, dolomitic, f. xln., w/ weak yellow fluorescence, faint cut w/ CCl₄. Interbedded w/ limestone, brownish-gray, argillaceous. Thin streaks of reddish-orange shale.
- 1230-1240' Limestone, brownish-gray, sl. dol., v.f. xln, silty, w/ scattered chert nodules. Some anhydrite, white.
- 1240-1255' Anhydrite, white; limestone, brownish-gray, dol., argillaceous; and limestone, white, f.xln.

Top of Beta Member 1255'

- 1255-1270' Limestone, gray, sl.dolomitic, f. xln, considerable gray chert. Drilled hard.
- 1270-1286' Limestone, gray, medium to coarsely xln., intercrystalline porosity, scattered fossil fragments. Scattered gray chert nodules. A few interbeds of shale, red and green (cavings?). Zone drilled irregularly due to chert nodules.
- 1286' LOST CIRCULATION in massive fracture zone, never regained.
- 1286-1510' Drilled blind, no sample returns.

Top of Toroweap Formation 1510' (Estimated from projections)

- 1510-1600' Drilled blind, no sample returns. Tools were left in hole for 40 hours at 1,600 feet. When pulled, there was no trace of oil on tools.

T.D. 1,600 feet in Toroweap Formation.

No cores, no tests, no logs. Operator did not run logs due to uncertain condition of hole below 1,286 feet.

The best oil shows were obtained in the Shnabkaib Member of the Moenkopi Formation. The Shnabkaib Member is interpreted as being a sea-margin sabkha deposit, similar to those currently forming in the Persian Gulf region. With adequate porosity and permeability, a small oil producer could be made in the Shnabkaib Member.

COPAQUEN No. 1-A Federal

NW/4 NE/4 Sec. 10, T. 39 N., R. 5 W., Mohave County, Arizona RECEIVED
590'/N, 2145'/E Sec. 10
Pipe Valley Area

Spud: 8 April 1981
Ceased Drilling: 6 June 1981
Total Depth: 1,600 feet. Aband. because of lost circ.
Surface Casing: 8 5/8" @ 300' w/175 sx
Bit Size: 7" Drilled to T.D. with one button bit.
Drilling Contractor: Grimshaw Drilling Co.,
Cedar City, Utah
Drilling Method: Air-hammer, using foam
Sample Quality: Fair to Poor
Sample Examination: Edgar B. Heylmun, geologist

Sample Description

Spud in Alluvium

0-20' Alluvium. Silt and sand, reddish

Top of Moenkopi Formation 20'

Upper Red Member

20-45' Shale and siltstone, red-brown to chocolate-brown, sl. calc.,
w/ thin streaks of greenish-gray to gray shale and siltstone.
Scattered gypsum.

Top (?) of Shnabkaib Member 45'

45-70' Sandstone, l. gray, v.f.g., sl. calc., micaceous streaks,
w/ thin streaks of siltstone, reddish, and conglomerate,
reddish.

70-130' WATER SAND. Sandstone, l. gray, f.g., friable, fair porosity
and permeability. Cold sulfur water, est. 10 gal/hr. Thin
streaks of red and gray shale interbedded w/ ss.

Top (?) of Shnabkaib Member 130' (The above water sand possibly corre-
lates with sandy beds at the base of the Upper Red on outcrop.)

130-170' Siltstone and shale, l. greenish-gray to gray, gypsiferous,
dolomitic, pyritic. Thin streaks of reddish sh. and siltstone.

170-180' Shale, l. greenish-gray, gypsiferous, dolomitic, silty,
w/siltstone, l. gray, micaceous.

180-210' Siltstone, l. greenish-gray, shaly; gypsiferous, dolomitic,
pyritic, w/shale, l. greenish-gray, silty.

210-225' Shale, l. greenish-gray, silty, gypsiferous, dolomitic,
pyritic.

225-250' OIL SAND. Siltstone, brown, dolomitic, w/ live brown oil
saturation in favorable intervals. Best zone appears to be
between 225-235'. Strong yellow-green fluorescence, strong
odor of sweet crude, strong cut of brown oil in CCl₄. Driller
reported small amount of free brown oil in hole, blown out in
blooey line. Zone appears to have relatively low porosity
and permeability. There are a few interbeds of silty green-
gray shale in the zone.

250-270' Shale, l. greenish-gray, silty, gypsiferous, micaceous,
pyritic, w/streaks of siltstone, brown, dolomitic, stained
w/ live brown oil. Good fluorescence, good cut, good odor.

- 270-290' Same as above, but with less oil staining.
 290-300' Shale, l. greenish-gray, dolomitic, gypsiferous, pyritic.
 300-330' Siltstone, l. gray to grayish-brown, dolomitic, gypsiferous, pyritic, weak to strong yellow-green fluorescence, good cut, good odor of crude. No visible porosity or permeability. Streaks of shale, greenish-gray, gypsiferous, along with some white crystalline gypsum.
 330-340' Shale, greenish-gray, silty, gypsiferous.
 340-350' Siltstone, gray to brown, micaceous, dolomitic, streaked live brown oil saturation, strong odor of sweet crude, strong yellow to yellow-green fluorescence, strong cut with CCl₄. Zone appears to have low porosity and permeability. Shale, greenish-gray, gypsiferous, is interbedded with the siltstone.

Top of Middle Red Member 350'

- 350-820' Shale, red-brown, maroon, chocolate-brown, silty, w/ siltstone, red-brown, sl. calc. Scattered gypsum in nodules and in small veinlets. Thin streaks of gray and greenish-gray shale and siltstone, dolomitic, throughout zone. Spotty yellow fluorescence in upper 30 feet may be in cavings.

Top of Virgin Limestone Member 820'

- 820-825' Limestone, orange to gray, dolomitic, spotty yellow fluorescence, good odor of crude, no observable cut. Upper bench of Virgin Limestone contains oil staining in small vugs at outcrops 8 miles to the east, but vugs not observed in samples.
 825-830' Shale, dark gray-brown, silty, calcareous.
 830-850' Shale, gray to gray-brown, silty, calc., and shale, chocolate-brown and streaks of green shale and gray silty limestone.
 850-865' Limestone, gray, silty, dolomitic, weak spotty yellow fluorescence, faint odor, no visible cut, no visible porosity or permeability. Interbedded with shale, gray, silty, calc.

Top of Lower Red Member 865'

- 865-1035' Shale, red-brown to chocolate-brown, silty, w/siltstone, gray-brown, calcareous. Some sandstone, buff, f.g., in lower 50 feet of zone. Thin streaks of gray to green shale and siltstone throughout zone.

Top of Kaibab Limestone 1035'

Harrisburg Member

- 1035-1070' Limestone, white to l. gray, dolomitic, silty, scattered gray chert nodules, a few scattered vugs, fair yellow to yellow-green fluorescence, good odor of crude, faint cut w/ CCl₄. Interbedded w/ shale, red-brown to chocolate-brown, and siltstone, red-brown to gray, and sandstone, l. gray, f.g., calcareous.
 1070-1140' Anhydrite, white to l. gray, and limestone, gray to dark gray, dolomitic, finely xln., w/ scattered chert nodules. Spotty weak yellow fluorescence, no cut, fair odor. Streaks of siltstone and shale, red-brown and green.
 1040-1150' Siltstone, gray to buff, calc., limestone, white to l. gray, dolomitic w/ chert, and some anhydrite, white.
 1150-1190' Limestone, white to l. gray, sl. dolomitic, scattered chert, interbedded w/ siltstone, l. gray to reddish, calc., and shale, red-brown to green, and minor anhydrite.

- 1190-1210' Siltstone, red-brown and gray, calc., interbedded w/ shale, reddish-orange, sl. calc. Some limestone, white, dolomitic, f. xln., w/ scattered gray chert.
- 1210-1230' Anhydrite, white to l. gray, and limestone, white, dolomitic, f. xln., w/ weak yellow fluorescence, faint cut w/ CCl₄. Interbedded w/ limestone, brownish-gray, argillaceous. Thin streaks of reddish-orange shale.
- 1230-1240' Limestone, brownish-gray, sl. dol., v.f. xln, silty, w/ scattered chert nodules. Some anhydrite, white.
- 1240-1255' Anhydrite, white; limestone, brownish-gray, dol., argillaceous; and limestone, white, f.xln.

Top of Beta Member 1255'

- 1255-1270' Limestone, gray, sl.dolomitic, f. xln, considerable gray chert. Drilled hard.
- 1270-1286' Limestone, gray, medium to coarsely xln., intercrystalline porosity, scattered fossil fragments. Scattered gray chert nodules. A few interbeds of shale, red and green (cavings?). Zone drilled irregularly due to chert nodules.
- 1286' LOST CIRCULATION in massive fracture zone, never regained.
- 1286-1510' Drilled blind, no sample returns.

Top of Toroweap Formation 1510' (Estimated from projections)

- 1510-1600' Drilled blind, no sample returns. Tools were left in hole for 40 hours at 1,600 feet. When pulled, there was no trace of oil on tools.

T.D. 1,600 feet in Toroweap Formation.

No cores, no tests, no logs. Operator did not run logs due to uncertain condition of hole below 1,286 feet.

The best oil shows were obtained in the Shnabkaib Member of the Moenkopi Formation. The Shnabkaib Member is interpreted as being a sea-margin sabkha deposit, similar to those currently forming in the Persian Gulf region. With adequate porosity and permeability, a small oil producer could be made in the Shnabkaib Member.

Copaquen #1-A Fed
10 - 39 N - 5 W

In all probability, this test did not go below 1,300'±. The rig was not equipped with sufficient air to go deeper. The proposed depth was 1,600' but it's not likely that this depth was achieved.

There was a good oil show 225-250' in the Shnabkaib which should have been tested and logged. There was streaked saturation in several zones in Shnabkaib. The Shnabkaib is interpreted as being a playa or sabkha deposit. I saw no porous reservoir bed in the Shnabkaib but I now wish that the zone had been logged. Fracture oil possibilities could be present.

E. B. Heylmun
Well-site geologist

W D
6 June 1981

RECEIVED

JUN 8 1981

O & G CONS. COMM.

State Oil and Gas Commission:

I'm out of sundry notice forms, hence this paper.

As of this date, the Copaquen No. 1-A Fed. at Pipe Valley stands at 1,450 feet. The well was drilled blind, with no returns, below 1,286'. Efforts have been made to try to overcome the lost circulation, including increasing the air to 1,400 cfm and 250 psi. We are still not getting any returns.

We anticipate the top of the Toroweap, and one of the best prospective oil zones, at 1,510 feet. We now plan to drill ahead, blind, and at least test that zone - with or without returns. It is hoped that circulation will return as a result of the blind drilling.

If circulation is not restored by 1,600 feet, we will probably run various mechanical logs and plug the hole.

Ed Heylmun
Geologist

713

W4

SUNDRY NOTICES AND REPORTS ON WELLS

RECEIVED

MAY 20 1981

O & G CONS. COMM.

1. Name of Operator Copaquen Assoc.
2. Oil WELL ☒ GAS WELL ☐ OTHER ☐ (Specify) _____
3. Well Name No. 1-A
Location NW NE
Sec. 10 Twp. 39 N Rge. 5 W County Mohave Arizona.
4. Federal, State or Indian Lease Number, or lessor's name if fee lease _____
5. Field or Pool Name Wildcat - Pipe Valley

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:			SUBSEQUENT REPORT OF:		
TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	DIRECTIONAL DRILL	<input type="checkbox"/>	MONTHLY PROGRESS	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	PERFORATE CASING	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
(OTHER)	<input type="checkbox"/>	(OTHER)	<input type="checkbox"/>	ABANDONMENT	<input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Depth 1310' Lost circulation in Kaibab Ls.
Trying to regain circulation

8. I hereby certify that the foregoing is true and correct.

Signed E. B. Ly Title Geologist Date 22 May 1981

Permit No. 713

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

Sundry Notices and Reports On Wells
File Date Copy

Form No. 25

WA

RECEIVED

MAY 18 1981

O & G CONS. COMM.

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator COPAQUEN ASSOCIATES
2. Oil WELL ☒ GAS WELL ☐ OTHER ☐ (Specify) _____
3. Well Name No. 1-A
Location 590' N 2150' E (NW NE)
Sec. 10 Twp. 39 N Rge. 5 W County Mohave Arizona
4. Federal, State or Indian Lease Number, or lessor's name if fee lease A-8084
5. Field or Pool Name Wildcat - Pipe Valley
6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐ PULL OR ALTER CASING ☐
FRACTURE TREAT ☐ DIRECTIONAL DRILL ☐
SHOOT OR ACIDIZE ☐ PERFORATE CASING ☐
REPAIR WELL ☐ CHANGE PLANS ☐
(OTHER) _____

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐ MONTHLY PROGRESS ☐
FRACTURE TREATMENT ☐ REPAIRING WELL ☐
SHOOTING OR ACIDIZING ☐ ALTERING CASING ☐
ABANDONMENT ☐
(OTHER) _____

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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Spud 8 April 1981
Elevation 4834' KB
8 5/8" casing @ 300' w/175 sx
Bit size 7"

Grimshaw Drilling Co.,
Cedar City, Utah
Being drilled with air-hammer,
using foam

Water zone: Sulfur water, 10 gal/hr, in sandstone 70-130 feet
Oil shows: 140-190' Spotty and streaked oil staining, weak fluor.
223' Driller reported odor of crude oil enveloped rig.
235-250' Free brown oil in blood line, made drilling
foam dark brown. Strong odor of sweet crude.
Cuttings show bright fluorescence, good cut.
Best show 235-240' in dolomitic siltstone or
silty dolomite.
260-290 Spotty oil staining, weak fluorescence
310-350 Streaked live oil show. Good odor, good cut.
No visible porosity or permeability.
All the above shows are in Shnabkaib. Now drilling in
Lower Moenkopi, oil shows in Virgin Limestone Member

Present depth (16 May 1981): 870'

8. I hereby certify that the foregoing is true and correct.

Signed Edgar B. Heylman
Edgar B. Heylman

Title Geologist Date 17 May 1981

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Sundry Notices and Reports On Wells
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Form No. 25

Permit No. 713

WA
EDGAR B. HEYLMUN GEOLOGIST

(602) 325-7028

16 May 1981

3660 E. 3RD ST., B-3
TUCSON, AZ. 85716

RECEIVED

MAY 19 1981

C & G CONS. COMM.

William E. Allen
State Oil and Gas Comm.
Phoenix, AZ 85007

Dear Bill:

We're finally drilling away at the Copaquen No. 1-A well. I've had an opportunity to study all well-cuttings, from the grass roots to the present depth, in fairly close detail.

You might be interested in knowing that we had free oil in the hole at 235 feet. Unfortunately, I was not on the well at the time, and the driller did not save any. It blew out the blooie line, mixed with foam, and made the foam brown to almost black, according to the driller. At the same time, a strong odor of crude oil enveloped the rig. The show was much better than that encountered in the Copaquen No. 1 well, located just 30 feet to the west.

A study of the samples shows that at 235 feet, a saturated siltstone was topped. The oil is brown and gives bright greenish-yellow fluorescence and a strong cut with CCl₄. There is no visible porosity or permeability in the siltstone, but there is obviously some permeability or else we wouldn't have obtained free oil. The zone appears to be relatively thin, lying between 235 and 240 feet. There are additional shows of live oil in well-cuttings down to a depth of 350 feet, but the show between 235 and 240 feet is by far the best. It would appear that it might be possible to complete a small producer, but I would anticipate a low production rate and limited reserves.

This oil show, along with the other shows, is in the Shnabkaib Member of the Moenkopi Formation, a typical marine sabkha-type deposit. Other wells in the Arizona Strip have encountered oil shows in the Shnabkaib, but as far as I know, this is the first time free oil has ever been encountered. While we're located on the axis of a broad anticlinal feature, the oil occurrences in the Shnabkaib are probably guided more by porosity development, and presence of favorable reservoir beds, than by structure.

The saturated zone now lies behind cemented surface casing. I doubt if we pursue the show, though a final decision will await the finish of drilling operations.

We should enter the Kaibab Limestone next week, and I'm expecting oil shows in the Kaibab and Toroweap Formations. Hopefully, we'll find zones that will make us forget about the free oil show in the Shnabkaib.

Staying at Four Seasons Motel,
Kanab, UT

Very truly yours,

Edgar B. Heylman

713

RECEIVED

MAY 4 1981

O & G CONS. COMM.

SUNDY NOTICES AND REPORTS ON WELLS

1. Name of Operator Copaquen Assoc.

2. Oil WELL ☒ GAS WELL ☐ OTHER ☐ (Specify) _____

3. Well Name No. 1-A Fed.

Location NW NE

Sec. 10 Twp. 39 N Rge. 5 W County Mohave Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease
A-8084

5. Field or Pool Name Pipe Valley area

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) <input type="checkbox"/>	ABANDONMENT <input type="checkbox"/>
(OTHER) _____			

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Cemented 8⁵/₈" surface casing at 300' w/175 sx.
(Previous report of 11¹/₄" casing was in error)
Preparing to drill ahead. Depth before cementing 310'.

8. I hereby certify that the foregoing is true and correct.

Signed Edgar B. Huffman Title Geologist Date 2 May 1981

Permit No. 713

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
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RECEIVED

APR 27 1981

O & G CONS. COMM.

SUNDY NOTICES AND REPORTS ON WELLS

1. Name of Operator Copaquen

2. OIL WELL ☒ GAS WELL ☐ OTHER ☐ (Specify) _____

3. Well Name No. 1-A Fed.

Location NW NE Sec. 10

Sec. 10 Twp. 39 N R. 5 W County Mohave Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease: A-8084

5. Field or Pool Name Pipe Valley Wildcat

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) <input type="checkbox"/>	ABANDONMENT <input type="checkbox"/>
(OTHER) <input type="checkbox"/>			

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Have drilled 12 1/4" hole to 310'. Preparing to cement surface casing.

Good oil shows from 240' to 310', in several zones.

Driller reports brown stain (from oil-stained cuttings) in drilling foam at 240'. Strong odor of crude oil.

Oil shows are in siltstones of Shnabkaib Member of Moenkopi Fm.

8. I hereby certify that the foregoing is true and correct.

Signature Edgar B. Heyman Title Geologist Date 25 Apr. '81

Permit No. 713

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Sundry Notices and Reports On Wells
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APR 21 1981

O & G CONS. COMM.

SUNDY NOTICES AND REPORTS ON WELLS

1. Name of Operator Copaquen Associates
 2. OIL WELL ☒ GAS WELL ☐ OTHER ☐ (Specify) _____
 3. Well Name No. 1-A Federal
 Location NW NE
 Sec. 10 Twp. 39 N Rge. 5 W County Mohave Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease U.S. A-8084

5. Field or Pool Name Pipe Valley Wildcat

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) <input type="checkbox"/>	ABANDONMENT <input type="checkbox"/>
(OTHER) <input type="checkbox"/>			

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Have drilled pilot hole (6 3/4") to 310 feet. Preparing to ream and set surface casing.

Encountered small flow of sulfurous water at 70 feet. Water zone is on top of Shnabkaib Member of Moenkopi Fm.

Numerous shows of high-gravity oil in Shnabkaib Member. Crude oil odor permeated rig. No flow of gas, no free oil in hole. These live oil shows will be described in detail in well log.

Edgar B. Heylmun
Geologist

8. I hereby certify that the foregoing is true and correct.

Signed Edgar B. Heylmun Title Geologist Date 20 April 1981

Permit No. 713

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Sundry Notices and Reports On Wells
File 713 Copies
Form No. 25

APPLICATION FOR PERMIT TO DRILL OR RE-ENTER

RECEIVED

APR 10 1981

APPLICATION TO DRILL ☒

RE-ENTER OLD WELL ☐

O & G CONS. COMM

COPARVEN ASSOCIATES INCORPORATED

NAME OF COMPANY OR OPERATOR

521 FIFTH AVE, #1700 NYC

NY 10017

Address

City

State

GRIMSHAW DRILLING INC.

Drilling Contractor

4822 NORTH 600 EAST CEDAR CITY

UTAH 84720

Address

Fed

Nea to f

Nut

If I wel

We

Fie

Dh

Pr

Bo

Ar

Re

10-39N-5W

590 feet, 2145 feet

Mohave Co.

PN 713 Coparven
Pipe Valley 1-10 feet

Orig loc. 660 feet, 1980 feet
(Hefman) 648 2178
final - 590 2175

1-A

Fee 590 feet, 2145 feet

LOCATION OF WELL AND LEASE

Lesser	Well number	Elevation (ground)
	1-A	4826'
Distance from proposed location to nearest drilling completed or applied for well on the same lease:		
feet	30' SE of No. 1 well	feet
Number of wells on lease, including this well, completed in or drilling to this reservoir:		
None		
Address		
Location—township—range or block and survey		
Sec. 10, T. 39 N., R. 5 W.		
County		
Mohave County, AZ		
Approx. date work will start		
April 13, 1981		
Filing Fee of \$25.00		
Attached Filed		

CERTIFICATE: I, the undersigned, being duly sworn, state that I am the PRESIDENT of the COPARVEN ASSOCIATES INCORPORATED (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Signature B. R. Keeler

Date 4/7/81

Permit Number: 713
Approval Date: 4-10-81
Approved By: [Signature]

Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Application to Drill or Re-enter
File Two Copies

Form No. 3

(Complete Reverse Side)

PERMIT TO DRILL OR RE-ENTER

RECEIVED

APR 10 1981

RE-ENTER OLD WELL ☐

O & G CONS. COMM

INCORPORATED

NY 10017

State

DEAR CITY

UTAH 84720

DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number, or if fee lease, name of lessor A-8084	Well number 1-A	Elevation (ground) 4826'
Nearest distance from proposed location to property or lease line: 600' feet	Distance from proposed location to nearest drilling, completed or applied - for well on the same lease. 30' SE of No. 1 well feet	
Number of acres in lease: 1,920 acres	Number of wells on lease, including this well, completed in or drilling to this reservoir: None	
If lease, purchased with one or more wells drilled, from whom purchased: Name Address		
Well location (give footage from section lines) 600'/N, 2140'/E	Section--township--range or block and survey Sec. 10, T. 39 N., R. 5 W.	Dedication (Comply with Rule 105)
Field and reservoir (if wildcat, so state) Wildcat, Pipe Valley	County Mohave County, AZ	
Distance, in miles, and direction from nearest town or post office 10 miles SW of Mocassin, AZ		
Proposed depth: 2,100'	Rotary or cable tools Rotary air	Approx. date work will start April 13, 1981
Bond Status Bond on file	Organization Report On file Filed Or attached	Filing Fee of \$25.00 Attached Filed

Remarks:

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the PRESIDENT of the COPARQUEN ASSOCIATES INCORPORATED (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Signature B. R. Keeler

Date 4/7/81

Permit Number: 713

Approval Date: 4-10-81

Approved By: W. E. Keeler

Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Application to Drill or Re-enter
File Two Copies

Form No. 3

(Complete Reverse Side)

1. Operator shall outline the dedicated acreage for both oil and gas wells on the plat.
2. A registered professional engineer or land surveyor registered in the State of Arizona or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided.
3. All distances shown on the plat must be from the outer boundaries of the Section.
4. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES _____ NO _____
5. If the answer to question four is "no," have the interests of all the owners been consolidated by consolidation agreement or otherwise? YES _____ NO _____. If answer is "yes," Type of Consolidation _____
6. If the answer to question four is "no," list all the owners and their respective interests below:

Owner	Land Description

CERTIFICATION

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Name _____

Position _____

Company _____

Date _____

I hereby certify that the well location shown on the plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed _____

Registered Professional Engineer and/or Land Surveyor _____

Certificate No. _____

PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
9 5/8"	32	New	0	300'	300'	75 SX
7"	14	New	0	1400'	1400'	140 SX

APPLICATION FOR PERMIT TO DRILL OR RE-ENTER			RECEIVED JUL 2 1981 O & G CONS. COMM.
APPLICATION TO DRILL <input type="checkbox"/>		RE-ENTER OLD WELL <input type="checkbox"/>	
<div style="display: flex; justify-content: space-between;"> <div> <p>CORAVEN ASSOCIATES, INC.</p> <p>NAME OF COMPANY OR OPERATOR</p> </div> <div> <p>521 5TH AVE, #1700 NYC NY 10017</p> <p>Address City State</p> </div> </div>			
<div style="display: flex; justify-content: space-between;"> <div> <p>GRIMSHAW DRILLING INC</p> <p>Drilling Contractor</p> </div> <div> <p>4822 NORTH 600 EAST CEDAR CITY, UTAH</p> <p>Address</p> </div> </div>			
DESCRIPTION OF WELL AND LEASE			
Federal, State or Indian Lease Number, or if fee lease, name of lessor		Well number	Elevation (ground)
A-8084		1-A	4826'
Nearest distance from proposed location to property or lease line:		Distance from proposed location to nearest drilling completed or applied-for well on the same lease:	
660' feet		No other wells feet	
Number of acres in lease:		Number of wells on lease, including this well, completed in or drilling to this reservoir:	
1,920 ac.		None	
If lease, purchased with one or more wells drilled, from whom purchased:		Name Address	
Well location (give footage from section lines)		Section—township—range or block and survey	Dedication (Comply with Rule 105)
2145'E, 590'N Sec. 10		Sec 10, T. 39N R. 5W	
Field and reservoir (if wildcat, so state)		County	
Pipe Valley Wildcat		Mohave	
Distance, in miles, and direction from nearest town or post office			
Pipe Springs Nat. Mon. 8 mi NE			
Proposed depth:	Rotary or cable tools	Approx. date work will start	
2100'	Air-hammer	1 Apr 1981	
Bond Status	Organization Report	Filing Fee of \$25.00	
Amount	On file Or attached	Attached	
Remarks:			
<p>CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the President of the CORAVEN ASSOCIATES INC (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.</p>			
		Signature	
		1 April 1981	
		Date	
Permit Number: 713		<p>STATE OF ARIZONA</p> <p>OIL & GAS CONSERVATION COMMISSION</p> <p>Application to Drill or Re-enter</p> <p>File Two Copies</p>	
Approval Date: 7-2-81			
Approved By: [Signature]			
<p>Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.</p>			
Form No. 3			

1. Operator shall outline the dedicated acreage for both oil and gas wells on the plat.
2. A registered professional engineer or land surveyor registered in the State of Arizona or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided.
3. All distances shown on the plat must be from the outer boundaries of the Section.
4. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES _____ NO _____
5. If the answer to question four is "no," have the interests of all the owners been consolidated by some agreement or otherwise? YES _____ NO _____ If answer is "yes," Type of Consolidation: _____
6. If the answer to question four is "no," list all the owners and their respective interests below:

Owner	Land Description																
<div style="display: flex; justify-content: space-between;"> <div style="width: 55%;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="height: 100px;"></td><td style="height: 100px;"></td><td style="height: 100px;"></td><td style="height: 100px;"></td></tr> <tr><td style="height: 100px;"></td><td style="height: 100px;"></td><td style="height: 100px;"></td><td style="height: 100px;"></td></tr> <tr><td style="height: 100px;"></td><td style="height: 100px;"></td><td style="height: 100px;"></td><td style="height: 100px;"></td></tr> <tr><td style="height: 100px;"></td><td style="height: 100px;"></td><td style="height: 100px;"></td><td style="height: 100px;"></td></tr> </table> </div> <div style="width: 40%;"> <p style="text-align: center;">CERTIFICATION</p> <p>I hereby certify that the information above is true and complete to the best of my knowledge and belief.</p> <p>Name _____</p> <p>Position _____</p> <p>Company _____</p> <p>Date _____</p> <p>I hereby certify that the well location shown on the plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.</p> <p>Date Surveyed _____</p> <p>Registered Professional Engineer and/or Land Surveyor _____</p> <p>Certificate No. _____</p> </div> </div>																	

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

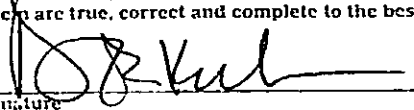
PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement

(over)

RECEIVED

APR 10 1981

PLUGGING RECORD					
Operator Copaquen Assoc., Inc.		Address 521 5th Ave., New York, NY 10017			
Federal, State, or Indian Lease Number, or lessor's name if fee lease. A-8084		Well No. 1	Field & Reservoir Pipe Valley		
Location of Well 590' N, 2175' E sec. 10, T. 39 N., R. 5 W., G&SRM		Sec-Twp-Rge or Block & Survey G&SRM		County Mohave	
Application to drill this well was filed in name of Copaquen Assoc.		Has this well ever produced oil or gas No	Character of well at completion (initial production): Oil (bbls/day) _____ Gas (MCF/day) _____ Dry? Oil show		
Date plugged: April 1, 1981		Total depth 290'	Amount well producing when plugged: Oil (bbls/day) None Gas (MCF/day) None Water (bbls/day) None		
Name of each formation containing oil or gas. Indicate which formation open to well-bore at time of plugging		Fluid content of each formation Oil show in Shnabkaib Member		Depth interval of each formation {240-260 270-290	
				Size, kind & depth of plugs used. Indicate zones squeeze cemented, giving amount cement None	
CASING RECORD					
Size pipe	Put in well (ft.)	Pulled out (ft.)	Left in well (ft.)	Give depth and method of parting casing (shot, ripped, etc.)	Packers and shoes
7 1/2"	197'		197'		
Was well filled with mud-laden fluid, according to regulations? Well was filled with cement			Indicate deepest formation containing fresh water. Moenkopi Fm. 60-70'		
NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE					
Name		Address		Direction from this well:	
Bruce McDaniel		Mocassin, Arizona		North	
In addition to other information required on this form, if this well was plugged back for use as a fresh water well, give all pertinent details of plugging operations to base of fresh water sand, perforated interval to fresh water sand, name and address of surface owner, and attach letter from surface owner authorizing completion of this well as a water well and agreeing to assume full liability for any subsequent plugging which might be required. Well was filled to surface with cement Note corrected location of well					
Use reverse side for additional detail.					
CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the <u>President</u> of the <u>Copaquen Associates Incorporated</u> (company) and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.					
Date 4/7/81		Signature 			
Permit No. _____		STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Plugging Record File One Copy Form No. 10			

APPLICATION TO ABANDON AND PLUG

RECEIVED

APR 1 1981

FIELD Pipe Valley O & G CONS. COMM.
 OPERATOR COPARQUE ASSOCIATES, INC. ADDRESS 521 5TH AVE, #1700, NYC 10017
 Federal, State, or Indian Lease Number A-8084 WELL NO. 1A
 or Lessor's Name if Fee Lease
 LOCATION 590' N, 2175' E sec. 10, T. 39 N., R. 5 W., Mohave County, AZ

TYPE OF WELL DRY HOLE TOTAL DEPTH 290'
 (Oil, Gas or Dry Hole)
 ALLOWABLE (If Assigned)
 LAST PRODUCTION TEST OIL Oil show (Bbls.) WATER (Bbls.)
 GAS (MCF) DATE OF TEST
 PRODUCING HORIZON Shnabkaib Member PRODUCING FROM 240 TO 260

1. COMPLETE CASING RECORD 7 1/2 inch surface casing cemented at 197'
with 7 sacks.

2. FULL DETAILS OF PROPOSED PLAN OF WORK Hole will be completely filled
to surface with cement and
marker set.

Note corrected location of this well.

Verbal approval given prior to plugging

DATE COMMENCING OPERATIONS April 1, 1981
 NAME OF PERSON DOING WORK Jay Grimshaw ADDRESS Cedar City, Utah
 Signature B.R. KEELER
 Title PRESIDENT
 Address 216 E 77TH ST
#5B, NYC 10021
 Date 4/7/81

Date Approved [Signature]
 STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 By: 4-10-81

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Application to Abandon and Plug
 File Two Copies
 Form No. 9

Permit No. 713

Form 9-331
May 1963

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

A-8083

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Pipe Valley

9. WELL NO.

1-10-39-5

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 10, T. 39N, R. 5W

12. COUNTY OR PARISH 13. STATE

Mohave

Arizona

SUNDRY NOTICES AND REPORTS ON WELLS
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Copaquen Associates

3. ADDRESS OF OPERATOR

216 E. 77th St., Apt. 5-B, New York, NY 10021

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)

At surface

660' FNL, 1980' FEL, Sec. 10, T. 39N, R. 5W, G & S
Meridian, Mohave County, Arizona

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4824.53 Gr

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

SUBSEQUENT REPORT OF:

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths to all markers and depths pertinent to this work.)*

12 Point

11" Surface Hole 300' 8-5/8" New 32# K-55 Casing

110 Sacks

7-5/8" Hole 2200' 5-1/2" New 17# K-55 Casing

200 Sacks

10 Point

BOP to be 8" double Ram unit instead of 10"

CONDITIONS: 8 5/8" must be threaded and coupled and open
hole annulus must be filled with cement.

18. I hereby certify that the foregoing is true and correct

SIGNED

Brad Keller

TITLE

President

DATE 4-2-81

(This space for Federal or State office use)

APPROVED BY

John P. Wagner

TITLE

District Supervisor

DATE 4/15/81

CONDITIONS OF APPROVAL, IF ANY: J.P. Wagner

cc: Oil & Gas Conservation Commission, Phoenix, AZ

*See Instructions on Reverse Side

Form 5-371
May 1961

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE*
(Other instructions on form
and cover sheet)

Form approved
Budget Bureau No. 42-R1424

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

RECEIVED

1. OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	APR 8 1981	2. LEASE DESIGNATION AND SERIAL NO.	A-2083
3. NAME OF OPERATOR	Copaquen Associates	4. IF INDIAN, ALLOTTEE OR TRIBE NAME	
5. ADDRESS OF OPERATOR	216 E. 77th St., Apt. 5-B, New York, NY 10021	6. UNIT AGREEMENT NAME	
7. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)	At surface: 660' FNL, 1980' FEL, Sec. 10, T. 39N, R. 5W, G & S Meridian, Mohave County, Arizona	8. FARM OR LEASE NAME	Pipe Valley
9. PERMIT NO.	4824.53 Gr	9. WELL NO.	1-10-39-5
10. ELEVATIONS (Show whether DF, RL, GR, etc.)		10. FIELD AND POOL, OR WILDCAT	Wildcat
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA	Sec. 10, T. 39N, R. 5W
		12. COUNTY OR PARISH	Mohave
		13. STATE	Arizona

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACURE TREAT	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other)	<input type="checkbox"/>	(Other)	<input type="checkbox"/>
CHANGE PLANS		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	
<input checked="" type="checkbox"/>			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

12 Point

11" Surface Hole 300' 8-5/8" New 32# K-55 Casing 110 Sacks
7-5/8" Hole 2200' 5-1/2" New 17# K-55 Casing 200 Sacks

10 Point

BOP to be 8" double Ram unit instead of 10"

18. I hereby certify that the foregoing is true and correct

SIGNED

Brad Keeler

TITLE

President

DATE 4-2-81

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

713

COPAQUEN No. 1 FEDERAL

590' N, 2175' E sec. 10, T. 39 N., R. 5 W., Mohave County, Arizona
Elevation 4834' KB

Drilled with air. Sample quality from surface to 210' poor.
Sample quality from 210' to 290' good.
Well spudded on March 25, 1981, plugged and abandoned on April 1.
Samples examined by Edgar B. Heylmun, geologist.

Sample Description

Spud in Upper Red Member of Moenkopi Formation

50-70' Siltstone, red, and sandstone, red, v.f.g., friable, with some shale, red, and siltstone, gray. Minor amounts of water.

Top of Shnabkaib Member of Moenkopi Formation @ approx. 70'

70-210' Sandstone, l. gray, v.f.g., friable, and siltstone, l. greenish-gray, all more or less dolomitic and gypsiferous. Minor gypsum occurs as nodules and in thin beds.

210-240' Shale, greenish-gray, dolomitic and gypsiferous. Gypsum, white, in thin streaks.

240-260' Siltstone, gray to brownish-gray, dolomitic, and shale, greenish-gray, dolomitic and gypsiferous. OIL SHOW. Spotty and in streaks. Strong odor of sweet crude, good cut with carbon tetrachloride. About 1/3 of sample has bright yellow fluorescence with some yellow-green and blue fluorescence. Oil is nearly colorless and appears to be low-sulfur, high-gravity crude. No gas in zone. No vis. P & P.

Oil is brown

260-270' Shale, l. gray to greenish-gray, dolomitic. Mottled with white gypsum or anhydrite.

270-280' Siltstone and shale, l. gray to greenish-gray, dolomitic and gypsiferous. Spotty and streaked OIL SHOW. About 1/2 of sample has weak yellow fluorescence and cut. Fair odor.

TD 290' Plugged and abandoned. Will skid rig and drill new hole.

In Shnabkaib Member at TD.

Shnabkaib sediments appear to be typical sea-margin sabkha deposits. No free oil was encountered in this well, and only minor amounts of water. Unit appears to be tight.

COPAQUEN No. 1 FEDERAL

648' N 2178' E sec. 10, T. 39 N., R. 5 W., Mohave County, Arizona
Elevation 4834' KB

Drilled with air. Sample quality from surface to 210' poor.
Sample quality from 210' to 290' good.
Well spudded on March 25, 1981, plugged and abandoned on April 1.
Samples examined by Edgar B. Heylman, geologist. 335-7028

Sample Description

Spud in Upper Red Member of Moenkopi Formation

50-70' Siltstone, red, and sandstone, red, v.f.g., friable, with some shale, red, and siltstone, gray. Minor amounts of water.

Top of Shnabkaib Member of Moenkopi Formation @ approx. 70'

70-210' Sandstone, l. gray, v.f.g., friable, and siltstone, l. greenish-gray, all more or less dolomitic and gypsiferous. Minor gypsum occurs as nodules and in thin beds.

210-240' Shale, greenish-gray, dolomitic and gypsiferous. Gypsum, white, in thin streaks.

240-260' Siltstone, gray to brownish-gray, dolomitic, and shale, greenish-gray, dolomitic and gypsiferous. OIL SHOW. Spotty and in streaks. Strong odor of sweet crude, good cut with carbon tetrachloride. About 1/3 of sample has bright yellow fluorescence with some yellow-green and blue fluorescence. Oil is nearly colorless and appears to be low-sulfur, high-gravity crude. No gas in zone. No vis. P & P.

260-270' Shale, l. gray to greenish-gray, dolomitic. Mottled with white gypsum or anhydrite.

270-280' Siltstone and shale, l. gray to greenish-gray, dolomitic and gypsiferous. Spotty and streaked OIL SHOW. About 1/2 of sample has weak yellow fluorescence and cut. Fair odor.

TD 290' Plugged and abandoned. Will skid rig and drill new hole.

In Shnabkaib Member at TD.

Shnabkaib sediments appear to be typical sea-margin sabkha deposits. No free oil was encountered in this well, and only minor amounts of water. Unit appears to be tight.

RECEIVED

APR 3 1981

O & G CONS. COMM.

SUNDY NOTICES AND REPORTS ON WELLS

1. Name of Operator Copaquen Assoc., Inc.

2. Oil Well ☒ GAS Well ☐ OTHER ☐ (Specify) _____

3. Well Name No. 1 Fed.

Location 648' S/North Line, 2178' W/East Line (Corrected Location)

Sec. 10 Twp. 39 N Rge. 5 W County Mohave Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease _____

5. Field or Pool Name Pipe Valley Wildcat

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:			SUBSEQUENT REPORT OF:		
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>		
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>		
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>		
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) <input type="checkbox"/>	ABANDONMENT <input checked="" type="checkbox"/>		

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Plan to plug and abandon @ 290' due to non-compliance with Federal regulations. Plan to redrill.

Oil shows in Shnabkaib Member of Moenkopi. Top Shnabkaib 70'.

240-260'	Good odor, good cut	} In siltstone, gray, sl. calc. gypsiferous
	Streaked fluorescence	
270-280'	Weak fluorescence	No porosity or permeability apparent.

Note corrected well location above

Correct elevation 4829' Ground

8. I hereby certify that the foregoing is true and correct.

Signed E. B. Heyman Title Geologist Date 1 April 1981

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

Sundry Notices and Reports On Wells

File This Copy

Form No. 25

Permit No. _____

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

2. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ OTHER ☐ MINERAL ZONE ☐ MULTIPLE ZONE ☐

3. NAME OF OPERATOR
Copaquen Associates

4. ADDRESS OF OPERATOR
216 E. 77th St., Apt. 5-B, New York, NY 10021

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 660' FNL, 1980' FEL, Sec. 10, T. 39N, R. 5W
At proposed prod. zone G & SM Meridian, Mohave Co., Arizona

6. LAND DESIGNATION AND SERIAL
A-8084

7. UNIT AGREEMENT NAME
Pipe Valley

8. WELL NO.
1-10-39-5

9. FIELD AND POOL OR WILDCAT
Wildcat

10. SEC., T., R., M. OR S.W. AND SURVEY OR AREA
Sec 10, T39N, R5W

11. COUNTY OR PARISH
Mohave

12. STATE
Arizona

13. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
14.3 miles from Fredonia

14. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drg. well line, if any)
660'

15. NO. OF ACRES IN LEASE
3000

16. PROPOSED DEPTH
2000'

17. NO. OF ACRES ASSIGNED TO THIS WELL
40

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING COMPLETED, OR APPLICABLE FOR, ON THIS LEASE, FT.

19. ELEVATIONS (Show whether BP, RT, GC, etc.)
4824.53 GR

20. APPROX. DATE WORK WILL BE
October 15, 1980

21. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	32#	300'	110 Sacks
8-3/4"	7"	20#	2000'	200 Sacks

22. RECEIVED
DEC 5 1980
O & G CONS. COMM.

23. IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blow prevention program, if any.

24. SIGNED [Signature] TITLE President DATE 8/20/80

25. PERMIT NO. _____ APPROVAL DATE _____

26. APPROVED BY J. P. Wagner TITLE District Supervisor DATE 10/2/80

27. CONDITIONS OF APPROVAL, IF ANY: J.P. Wagner
Deputy Conservation Manager, Oil & Gas, Western Region
Conservation Manager's Office, Menlo Park
District Geologist, LA
BLM, St. George, Utah

28. *See Instructions On Reverse Side
Oil & Gas Conservation Commission, Phoenix, AZ 85020

SEE ATTACHED CONDITIONS AND REQUIREMENTS



PERMIT TO DRILL

This constitutes the permission and authority from the

OIL AND GAS CONSERVATION COMMISSION,
STATE OF ARIZONA,

CORPACEN ASSOCIATES

To:

(OPERATOR)

to drill a well to be known as

Pipe Valley 1-10 Federal

(WELL NAME)

located **660' FNL & 1980' FEL (NW/4 NE/4)**

Section **10** Township **39N** Range **5W**, **Mohave** County, Arizona.

The **W/2 NE/4** of said

Section, Township and Range is dedicated to this well.

Said well is to be drilled substantially as outlined in the attached Application and must be drilled in full compliance with all applicable laws, statutes, rules and regulations of the State of Arizona.

Issued this **2nd** day of **March**, 19**81**

PRIOR TO BEING ALLOWED TO PRODUCE THIS WELL
YOU MUST BE IN FULL COMPLIANCE WITH RULE
105, SECTION A THRU G (SPACING), WITH RESPECT
TO THE PRODUCT TO BE PRODUCED.

OIL AND GAS CONSERVATION COMMISSION

By

W.B. Allen
EXECUTIVE SECRETARY

PERMIT

Nº **713**

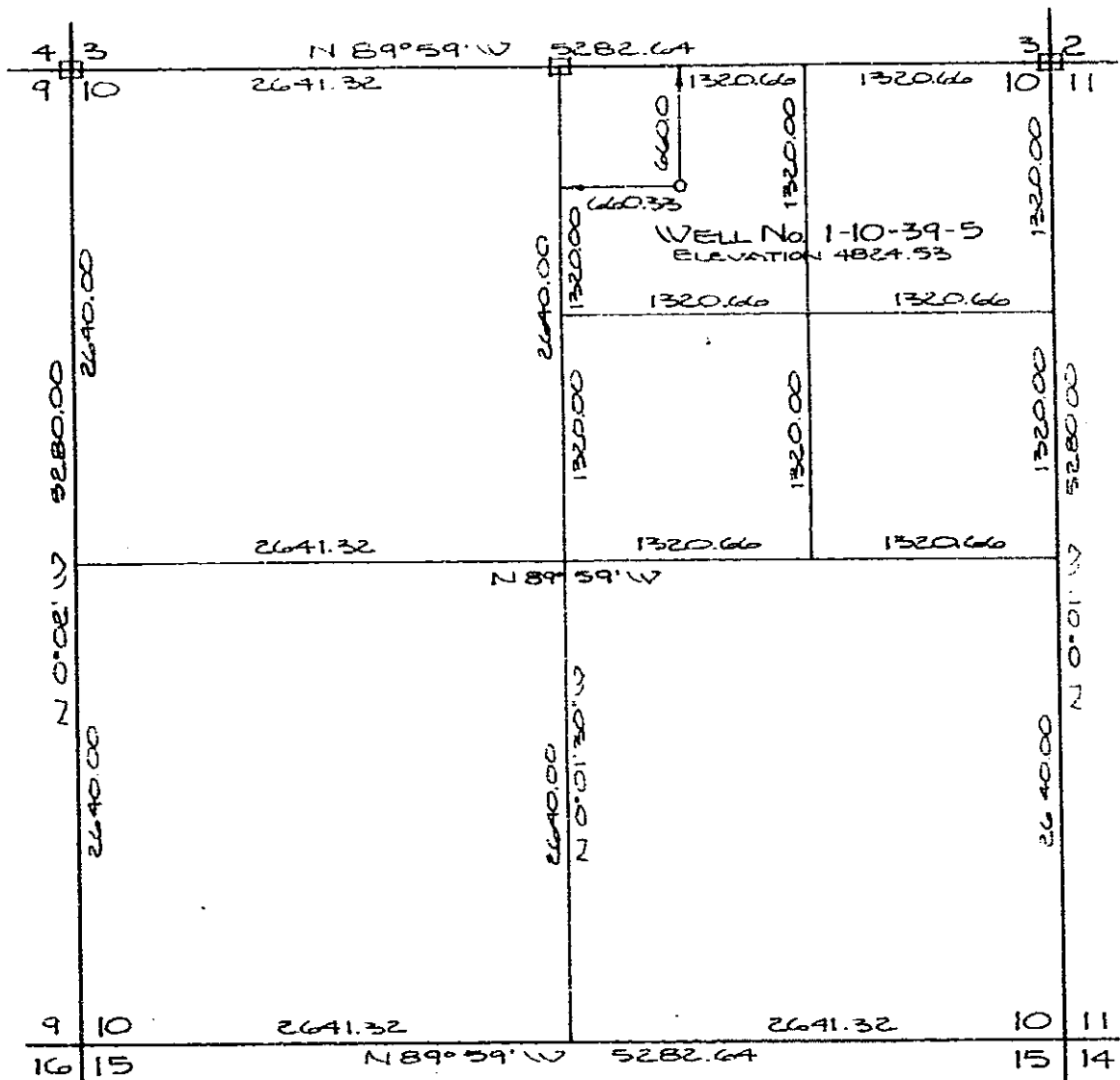
RECEIPT NO. **1886**
API NO. **02-015-20011**

State of Arizona
Oil & Gas Conservation Commission

Permit to Drill

FORM NO. 27

TEN FOOT SAMPLES ARE REQUIRED FROM SURFACE



NOTES:

- STEEL POST AT WELL LOCATION
- EXISTING CORNER, FOUND
- DIMENSIONS BASED ON G.L.O. PLAT
- ELEVATION BASED ON MEAN SEA LEVEL

DATE OF SURVEY 6/20/80

CERTIFICATE OF SURVEY

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY BELIEF AND KNOWLEDGE

7-1-80
Gale E. Day
GALE E. DAY
REGISTERED LAND SURVEYOR

WELL NO. 1-10-39-5 PIPE VALLEY NW/4 NE/4 SECTION 10, T34N, R35W, GUA AND SALT RIVER MERIDIAN, ARIZONA		
PREPARED FOR RESOLUCE-MARKETING SERVICES, INC.		
BUSH & GUDGELL INC. CONSULTING ENGINEERS & LAND SURVEYORS 555 SOUTH 3RD EAST SALT LAKE CITY UTAH 364-1212 BRANCH OFFICES ST. GEORGE UTAH - ROCK SPRINGS WYOMING		
DRAWN BY: <i>G.E.D.</i>	DATE: 7-1-80	SHEET 1 OF 1
CHECKED:	SCALE: 1" = 1000'	
APPROVED:	JOB NO. 3212-A	

APPLICATION FOR PERMIT TO DRILL OR RE-ENTER

APPLICATION TO DRILL ☒ XXRE-ENTER OLD WELL ☐

Copaquen Associates

NAME OF COMPANY OR OPERATOR

216 E. 77th St., Apt. 5-B

New York

NY 10021

Address

City

State

Drilling Contractor

Address

DESCRIPTION OF WELL AND LEASE

Federal Lease or Indian Lease Number, or if fee lease, name of lessor
FederalWell number Pipe Valley
1-10-39-5Elevation (ground)
4824.53Nearest distance from proposed location
to property or lease line:

660

feet

Distance from proposed location to nearest drilling,
completed or applied-for well on the same lease:

None

feet

Number of acres in lease:

3000

Number of wells on lease, including this well,
completed in or drilling to this reservoir:

1 (One)

If lease, purchased with one or more
wells drilled, from whom purchased:

Name

N/A

Address

Well location (give footage from section line)

660' FNL, 1980' FEL

Section—township—range or block and survey

Sec. 10, T. 39N, R. 5W

Deduction (Comply with Rule 100)

80 Acres

Field and reservoir (if wildcat, so state)

Wildcat

County

Mohave

Distance, in miles, and direction from nearest town or post office

14.3 miles from Fredonia

Proposed depth:

2000

Rotary or cable tools

Cable

Approx. date work will start

October 15, 1980

Bond Status, Obtaining at

Amount Present

Organization Report

On file

Or attached XX

Filing Fee of \$25.00

Attached XX

Remarks:

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the President of the

Copaquen Associates

(company), and that I am authorized to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true and complete to the best of my knowledge.

Signature

Date

Permit Number:

713

Approval Date:

3-2-81

Approved by:

W. E. C. C.

Notice: Before sending in this form be sure that you have given
all information requested. Much unnecessary correspondence
will thus be avoided.

Form No. 3

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSIONApplication to Drill or Re-enter
File Two Copies

(Complete Reverse Side)

1. Operator shall outline the dedicated acreage for both oil and gas wells on the plat.
2. A registered professional engineer or land surveyor registered in the State of Arizona or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided. (See attached)
3. All distances shown on the plat must be from the outer boundaries of the Section.
4. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES XX NO
5. If the answer to question four is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES NO If answer is "yes," Type of Consolidation
6. If the answer to question four is "no," list all the owners and their respective interests below:

Owner	Land Description

CERTIFICATION

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Name	Brad Keeler
Position	President
Company	Copaquen Associates
Date	

I hereby certify that the well location shown on the plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed	See attached
Registered Professional Engineer and/or Land Surveyor	

Certificate No.

PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
9-5/8"	32#	NEW	0'	300'		110
7"	20#	NEW	300'	2000'		200

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

Form approved,
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

A-8083

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Pipe Valley

9. WELL NO.

1-10-39-5

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 10, T39N, R5W

12. COUNTY OR PARISH

Mohave

13. STATE

Arizona

SUNDRY NOTICES AND REPORTS ON WELLS
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR
Copaquen Associates

3. ADDRESS OF OPERATOR
216 E. 77th St, Apt. 5-B, New York, NY 10021

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

660' FNL, 1980' FEL, Sec. 10, T. 39N, R. 5W,
G & SM Meridian, Mohave County, Arizona

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4824.53 Graded

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

FULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

☐
☐
☐
☒
☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

☐
☐
☐
☐

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Request a six (6) month extension in the drilling of this
well until March 15, 1981.

RECEIVED

NOV 28 1980

O & G CONS. COMM.

18. I hereby certify that the foregoing is true and correct

SIGNED

Peter MacDowell

TITLE

Agent

DATE

11-26-80

(This space for Federal or State office use)

APPROVED BY

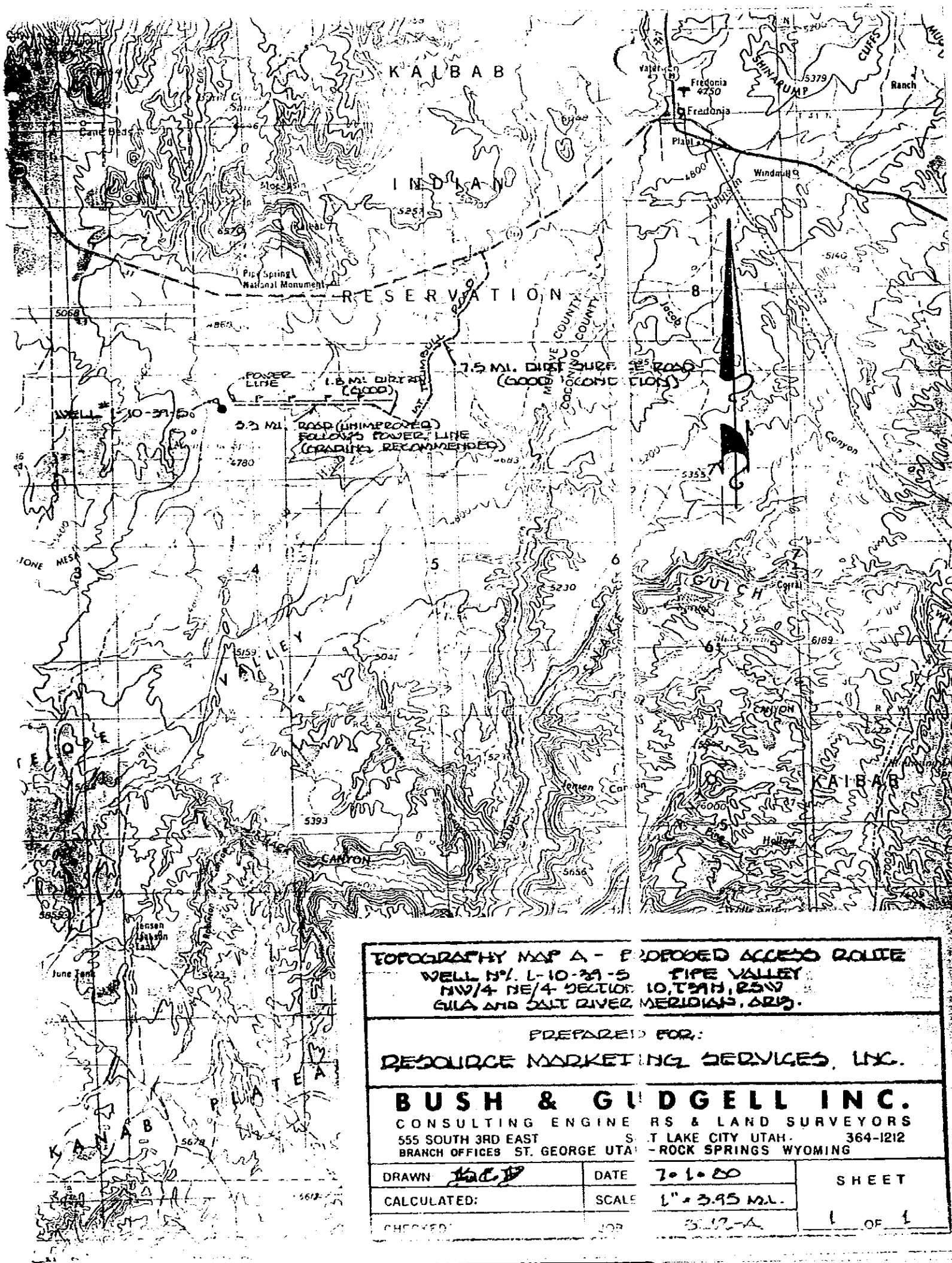
TITLE

DATE

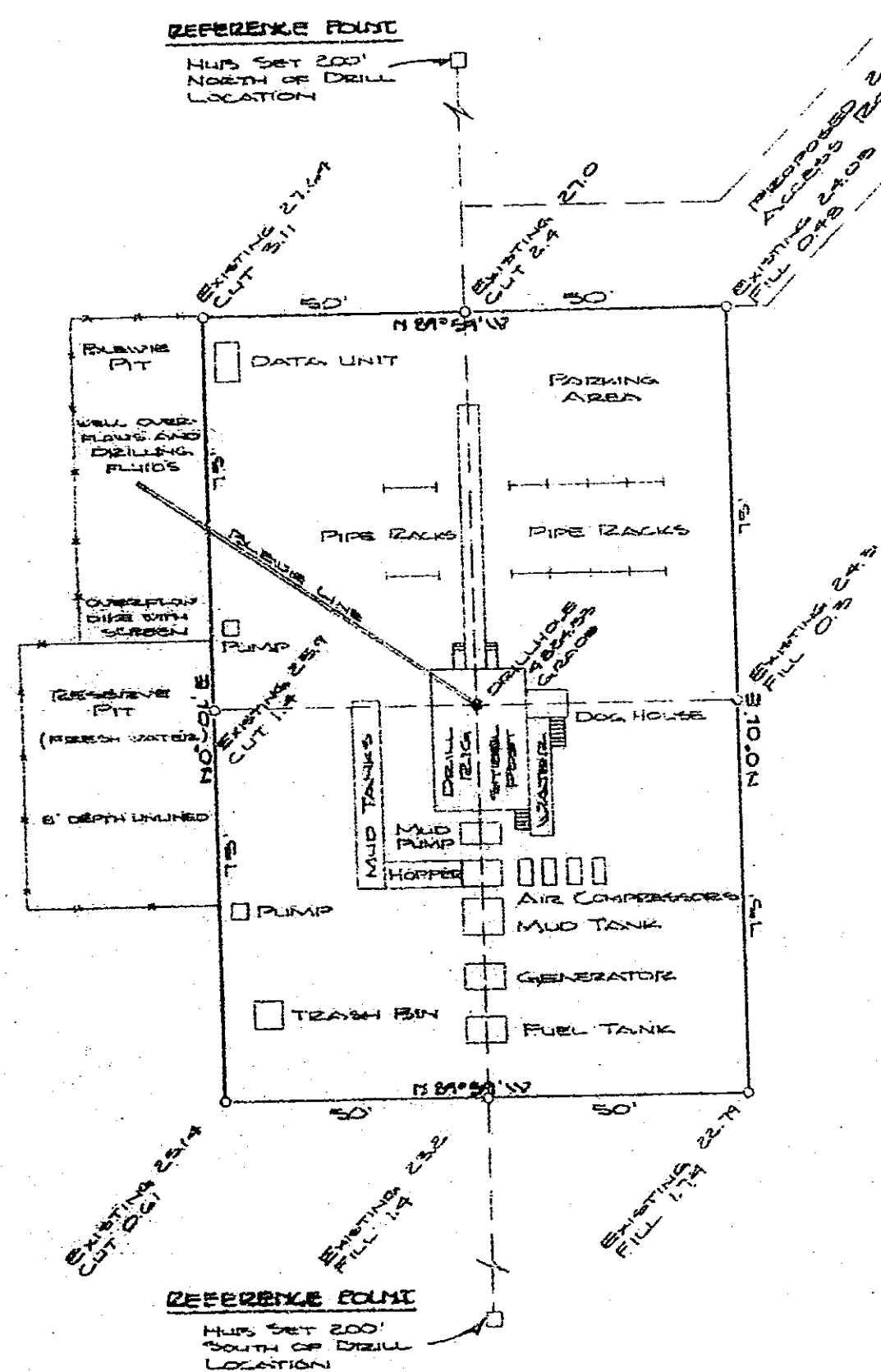
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

713



TOPOGRAPHY MAP A - PROPOSED ACCESS ROUTE WELL #10-31-5 PIPE VALLEY NW/4 NE/4 SECTION 10, T21N, R23W GILA AND SALT RIVER MERIDIANS, ARIZ.		
PREPARED FOR: RESOURCE MARKETING SERVICES, INC.		
BUSH & GUDGELL INC. CONSULTING ENGINEERS & LAND SURVEYORS 555 SOUTH 3RD EAST ST. LAKE CITY UTAH. 364-1212 BRANCH OFFICES ST. GEORGE UTAH - ROCK SPRINGS WYOMING		
DRAWN <i>BCB</i>	DATE 7-1-80	SHEET 1 OF 1
CALCULATED:	SCALE 1" = 3.95 M.L.	
CHECKED:	JOB 3-12-A	



APPROXIMATE YARDAGES

STRIPPING FOR PAD (0.5 FT.) = 301 cu. yds.
 CUT FOR PAD (AFTER STRIPPING) = 268 cu. yds.
 FILL FOR PAD = 317 cu. yds.
 STRIPPING FOR BLEWIE PIT (0.5 FT.) = 24 cu. yds.
 CUT FOR BLEWIE PIT (AFTER STRIPPING) = 174 cu. yds.
 STRIPPING FOR RESERVE PIT = 40 cu. yds.
 CUT FOR RESERVE PIT (AFTER STRIPPING) = 383 cu. yds.

WELL NO. 110-39-5 PIPE VALLEY
 NW/4 H/4 SECTION 10, T. 39 N., R. 2 E. W.
 GILA & SALT RIVER MERIDIAN, AR.

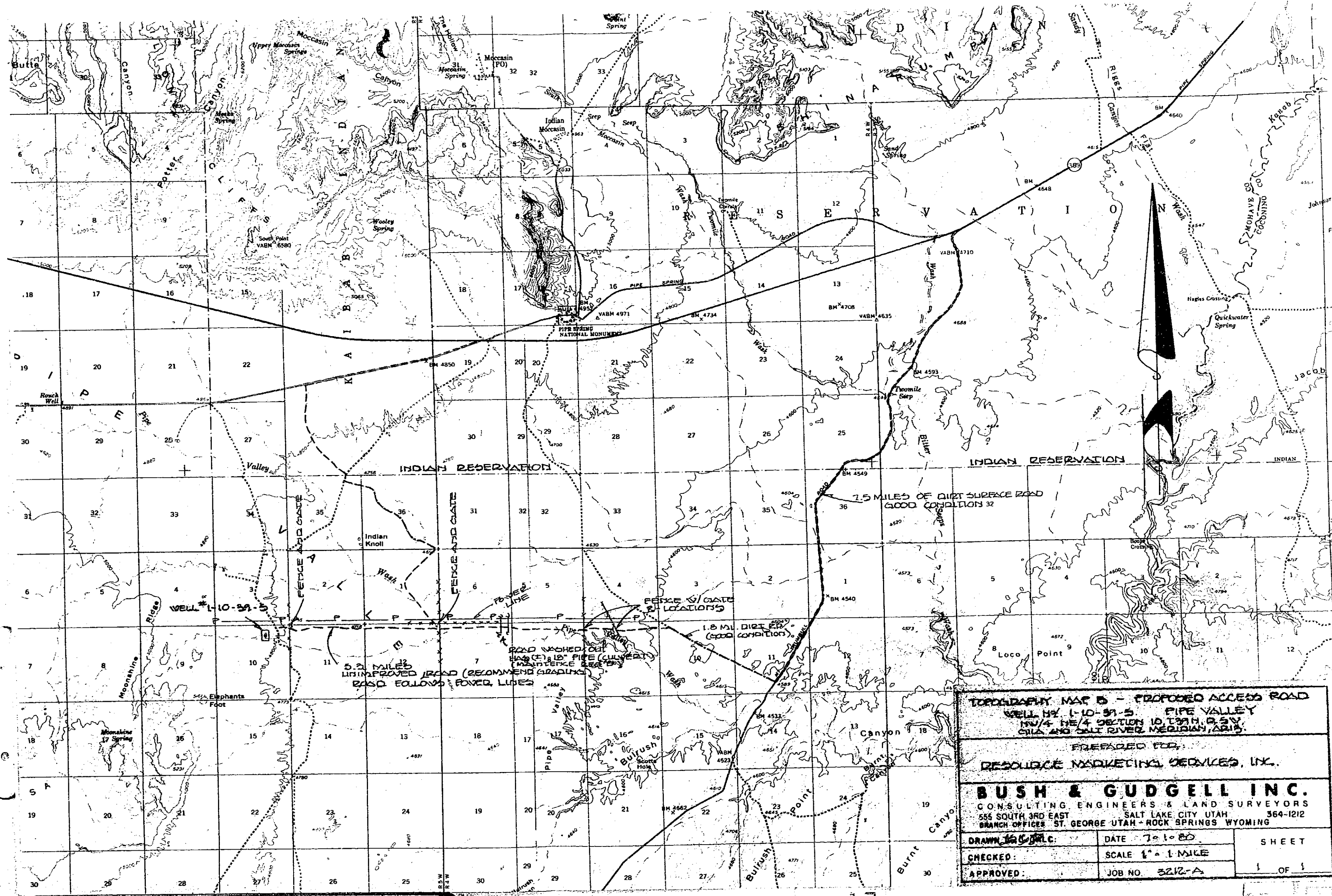
PREPARED FOR
 RESOURCE MARKETING SERVICES, INC.

BUSH & GUDGELL INC.
 CONSULTING ENGINEERS & LAND SURVEYORS
 555 SOUTH 3RD EAST SALT LAKE CITY, UTAH 84112
 BRANCH OFFICES ST. GEORGE UTAH - ROCK SPRINGS WYOMING

DRAWN BY: CALC.	DATE: 7-1-80	SHEET 1 OF 1
CHECKED:	SCALE: 1" = 30'	
APPROVED:	JOB NO. 3212-A	

PIPE VALLEY 110 FEDERAL
 LO-39-5M, MOHAVE COUNTY

CONGRESS, SUITE 100, TUCSON, AZ 85701

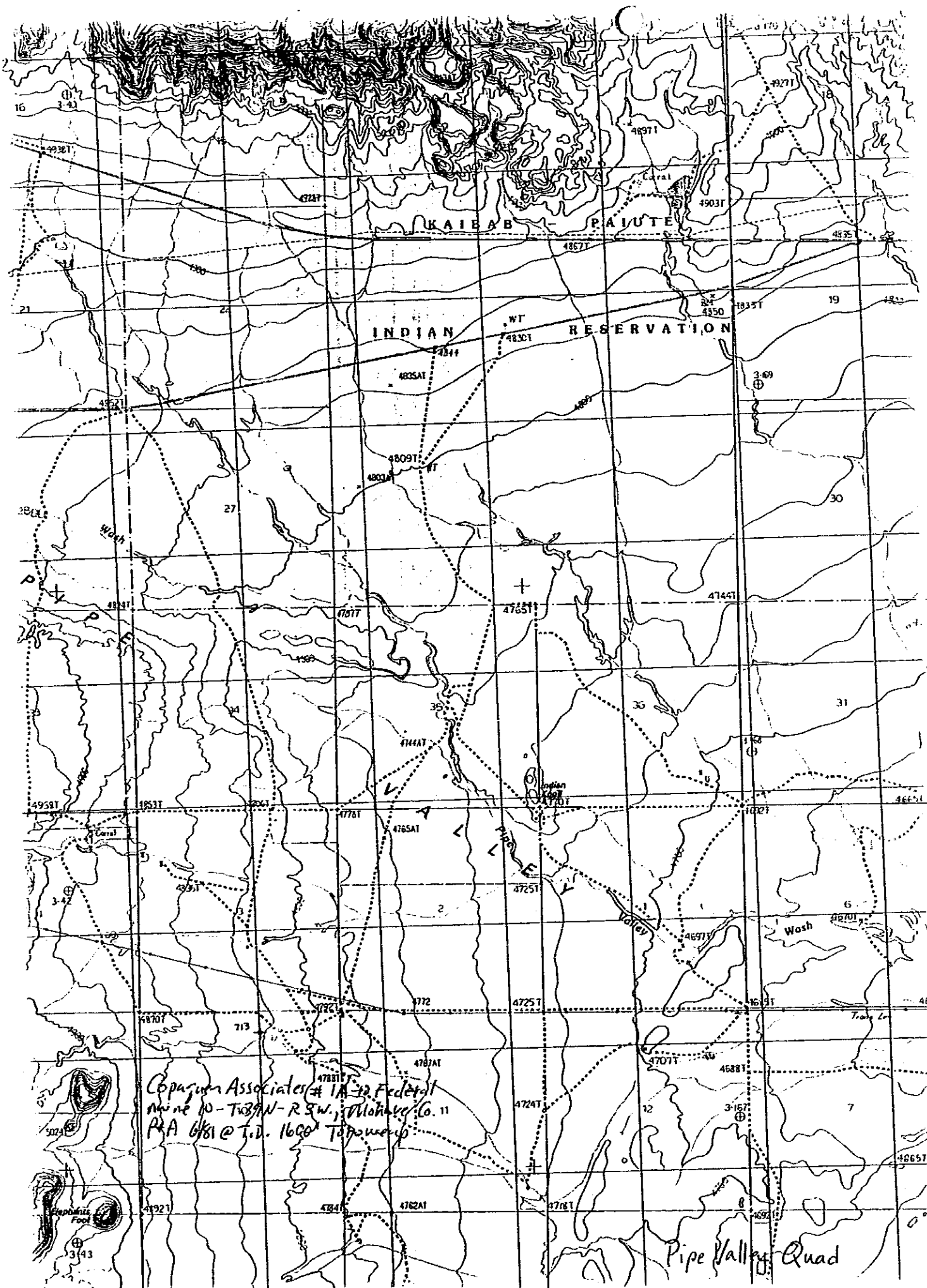


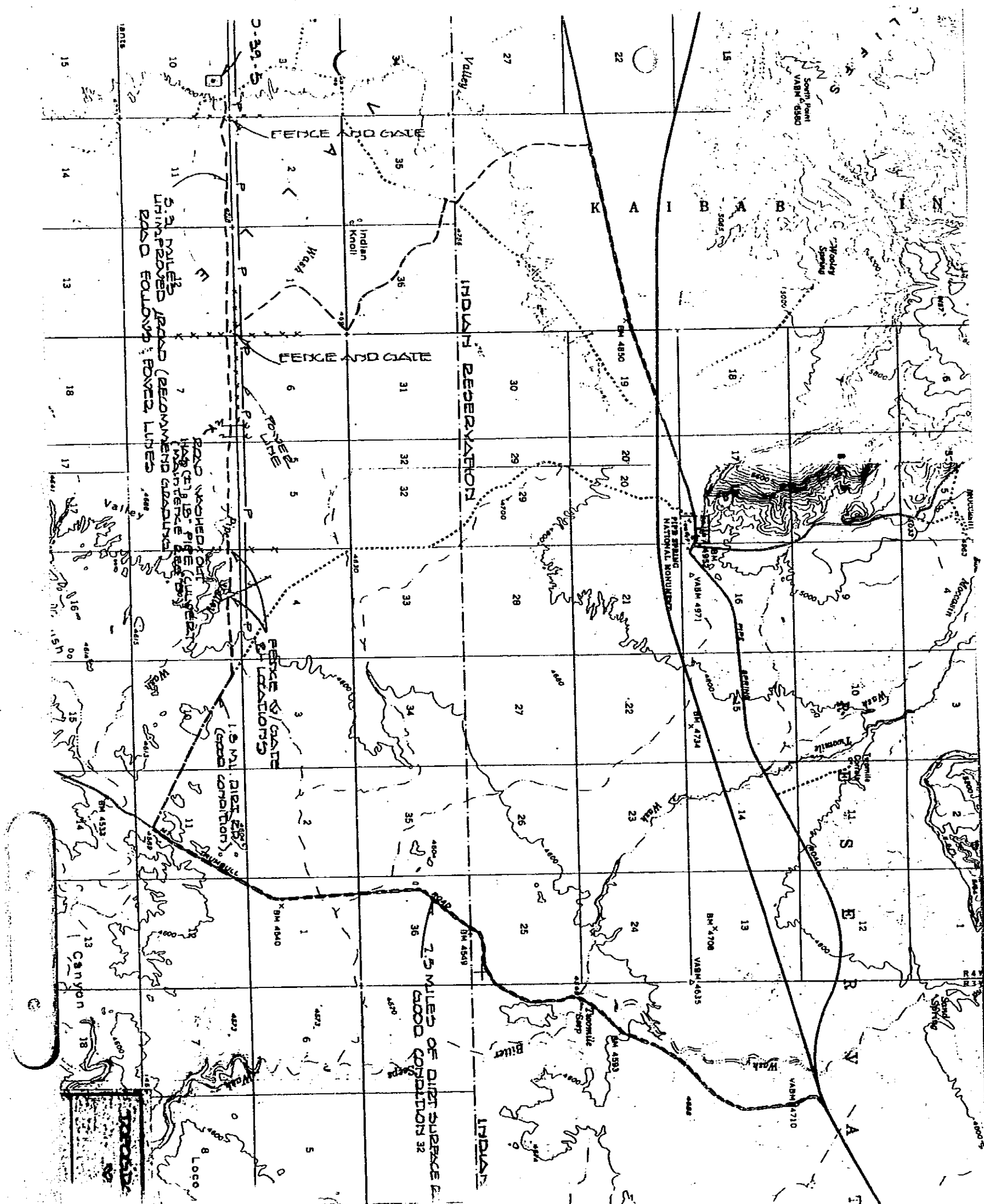
TOPOGRAPHY MAP 5 - PROPOSED ACCESS ROAD
WELL NO. 1-10-51-5 PIPE VALLEY
NW 1/4 NE 1/4 SECTION 10, T34N, R5W
GILA AND GALT RIVERS, MCDONALD, ARIZ.

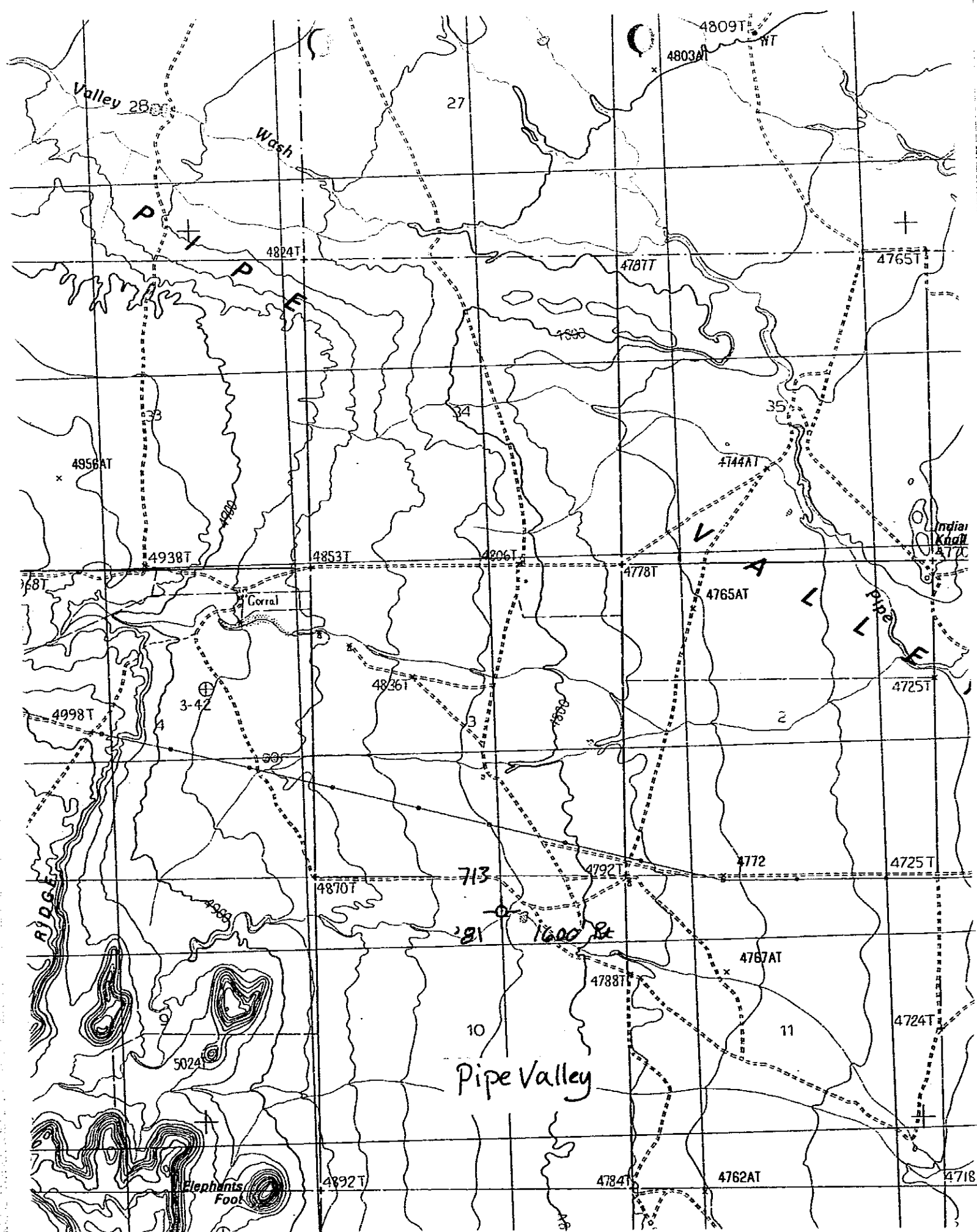
PREPARED FOR:
RESOURCE MARKETING SERVICES, INC.

BUSH & GUDGELL INC.
CONSULTING ENGINEERS & LAND SURVEYORS
555 SOUTH 3RD EAST SALT LAKE CITY, UTAH 84112
BRANCH OFFICES: ST. GEORGE, UTAH - ROCK SPRINGS, WYOMING

DRAWN BY: JLC	DATE: 7-1-80	SHEET
CHECKED:	SCALE: 1" = 1 MILE	1 OF 1
APPROVED:	JOB NO. 5212-A	







ARIZONA GEOLOGICAL
SURVEY

416 W. CONGRESS, SUITE 100, TUCSON, AZ 85701

FAX

State of Arizona
Arizona Geological Survey
416 W. Congress, Suite 100
Tucson, Arizona 85701
(520) 770-3500



Larry D. Fellows
Director and State Geologist

Date:

11-9-96

Number of pages including cover sheet:

5

To:

Don Bills

USGS-Flagstaff

Phone: 520-556-7142

Fax phone: 520-556-7169

CC:

From:

Steve Rauzi

Phone: (520) 770-3500

Fax phone: (520) 770-3505

REMARKS:

☐ Urgent

☒ For your review

☐ Reply ASAP

☐ Please comment

Completion reports for Copague and
Shields wells, permits 713 and 859



Fife Symington
Governor

State of Arizona
Arizona Geological Survey

416 W. Congress, Suite 100
Tucson, Arizona 85701
(520) 770-3500



Larry D. Fellows
Director and State Geologist

March 27, 1996

CERTIFIED MAIL

Mr. Bradford R. Keeler
Copaquen Associates
212 Bellvale Lakes Road
Warwick, New York 10990

file 713

Re: Return of \$5,000 Cash Performance Bond
Copaquen Associates #1-10 and #1A-10 Pipe Valley Federal
Sec. 10, T. 39 N., R. 5 W., Mohave County, Arizona
State Permit #713

Dear Mr. Keeler:

Our records show the referenced well was drilled, plugged, and abandoned in compliance with rules of the Arizona Oil & Gas Conservation Commission. A check in the amount of the referenced cash performance bond is enclosed.

Thank you for your interest in the oil and gas potential of Arizona.

Sincerely,

Steven L. Rauzi

Steven L. Rauzi
Oil and Gas Program Administrator

Enclosure: Arizona Check Warrant No. 212346458

P 476 199 189

US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
Do not use for International Mail (See reverse)

Sent to	
Mr Bradford R. Keeler	
Street & Number	
212 Bellvale Lakes Rd	
Post Office, State, & ZIP Code	
Warwick NY 10990	
Postage	\$ 32
Certified Fee	1.10
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	1.10
Return Receipt Showing to Whom & Date, & Addressee's Address	
TOTAL Postage & Fees	2.52
Postmark on Date	

PS Form 3800, April 1995

SENDER: ■ Complete items 1 and/or 2 for additional services. ■ Complete items 3, 4a, and 4b. ■ Print your name and address on the reverse of this form so that we can return this card to you. ■ Attach this form to the front of the mailpiece, or on the back if space does not permit. ■ Write "Return Receipt Requested" on the mailpiece below the article number. ■ The Return Receipt will show to whom the article was delivered and the date delivered.		I also wish to receive the following services (for an extra fee): 1. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery Consult postmaster for fee.	
3. Article Addressed to: MR BRADFORD R KEELER 212 BELLVALE LAKES RD WARWICK NY 10990		4a. Article Number P 476 199 189	
5. Received By: (Print Name)		4b. Service Type <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD	
6. Signature: (Addressee or Agent) <i>Bradford R. Keeler</i>		7. Date of Delivery APR 19 1996	
PS Form 3811, December 1994		8. Addressee's Address (Only if requested and fee is paid) GEOLOGICAL SURVEY	

Thank you for using Return Receipt Service.

STATE OF ARIZONA REMITTANCE ADVICE

WARRANT NO.
212346458

GEOLOGICAL SURVEY


(602) 882-4795 EXT.

INVOICE NO.	INVOICE DATE	INVOICE DESCRIPTION	AGY	DOCUMENT/SFX	AMOUNT
/ /			GSA	200271	5000.00

FUND:	ISSUE DATE:	WARRANT AMOUNT
3704	03/22/96	5,000.00

VENDOR NAME: BRADFORD R KEELER
VENDOR NUMBER: 25134273000 001

FOLD OR SEPARATE AT COLORED LINE BELOW

STATE OF ARIZONA		NOT GOOD AFTER VOID DATE SHOWN		91-113 1221	
DATE ISSUED MO-DAY-YR 03/22/96		VOID AFTER MO-DAY-YR 09/18/96		BANK WARRANT NO. 21 2346458	
VENDOR NO. 25134273000 001		FUND AGENCY DOCUMENT NO. 3704 / GSA 200271		PAY THIS AMOUNT \$5,000.00	
*****FIVE THOUSAND AND 00/100 DOLLARS*****					
PAY TO THE ORDER OF					
BRADFORD R KEELER 212 BELLVALE LAKES ROAD WARWICK NY 10990			 <i>Rudy Ferino</i> DIRECTOR DEPARTMENT OF ADMINISTRATION <i>F. R. S.</i> COUNTERSIGNED GOVERNOR		

2346458 122101133

210

VENDOR SETUP/CHANGE

ADD ☒ CHANGE ☐ INACTIVATE ☐ DATE _____

Social Security # precede by 2, Tax Id # precede by 1, last digit will always be 0		MAIL CODES (3)	000/001	If a vendor has moved do NOT add a new M/C change the old one!!
VENDOR NUMBER (11 char)	2-513-42-7300-0			
VENDOR NAME	BRADFORD R KEELER			
ADDRESS	212 BELLVALE LAKES ROAD.			ALTERNATE NAME(S)/ DOING BUSINESS AS (DBA)
				1. _____
CITY: WARWICK	STATE: NEW YORK	ZIP: 10990		A Vendor contact name and phone number is REQUIRED. If you do not have one then you MUST put your name and agency phone number.
VENDOR TYPE: 6	OWNERSHIP CODE: I	1099		VENDOR CONTACT
1. EMPLOYEE	E. STATE EMPLOYEE	Y		BRADFORD R KEELER
2. FEDERAL AGENCIES	G. GOVERNMENTAL ENTITY	Y		VENDOR PHONE NUMBER
3. STATE AGENCIES	G. GOVERNMENTAL ENTITY	Y		914-986-5792
4. LOCAL GOVERNMENT (Counties, Cities, Municipalities, Schools)	G. GOVERNMENTAL ENTITY	Y		FAX NUMBER
5. VENDOR BUSINESS	A. ARIZONA CORP C. PROFESSIONAL CORP F. FINANCIAL INSTITUTION M. MEDICAL CORPORATION O. OUT OF STATE CORP P. PROFESSIONAL ASSOCIATION R. FOREIGN CORP S. SOLE OWNER T. PARTNERSHIP	N Y Y Y N Y N Y Y		SALES TAX LICENSE
6. VENDOR INDIVIDUAL	I. INDIVIDUAL RECIPIENT S. SOLE OWNER	Y Y		1099 INFORMATION
7. OTHER (Trust funds, PTA's receiverships, etc.)	P. PROFESSIONAL ASSOCIATION S. SOLE OWNER	Y Y		AZ COMPS MUST BE INCORPORATED AND LISTED WITH THE AZ CORPORATION COMMISSION
8. BOARD MEMBERS	B. BOARD MEMBERS	Y		*MEDICAL CORPS WILL ALWAYS BE 1099 YES
AGENCY ID				VENDOR NAMES THAT END IN LIMITED OR LTD ARE PARTNERSHIPS AND MUST BE 1099 YES
AUTHORIZED AGY SIGNER				INDIVIDUAL RECIPIENTS/ BOARD MEMBERS SHOULD ALWAYS BE 1099 YES. THE COMP OBJECT USED WILL DETERMINE IF THE ITEM IS REPORTABLE 1099 INCOME.
AGENCY PHONE NUMBER				INS FORM 1099 MISCELLANEOUS INCOME MUST BE ISSUED TO VENDORS WHO:
				1. PROVIDE A SERVICE TO THE STATE
				2. ARE NOT INCORPORATED (*Except Medical Corps)

Called Keeler 3/15/96 for information ** CODE AS REIMBURSEMENT **

INSTRUCTIONS FOR COMPLETING VENDOR REGISTRATION

W-9'S Must be kept on file at the agency for all new vendors

VENDOR NUMBER This is an eleven (11) digit number. If the W-9 is filled out with a(n):

Taxpayers Federal Employer Identification Number it MUST be preceded by a "1" and must end in a "0".
Individual Social Security numbers MUST be preceded by a "2" and end in a "0". Example 29876543210.

VENDOR NAME Enter the name with all CAPS no punctuation and only one space between names (NO EXTRA spaces).
Enter names of individuals First Name Middle Initial Last Name. Examples:
MARY^J^DOE, JOE^VENDOR, STEVEN^M^SMITH^SR. Enter Business names in the same manner no extra spaces and no punctuation. Example: ACE HARDWARE, STATE OF ARIZONA DOA. The name used MUST be associated with the Taxpayer Id Number. If a social security number is provided the name must be an individual. If a Federal Employer Id Number is provided, then it must be a business name.

ADDRESS Enter in all caps no punctuation. Example:
PO BOX 1234 1700 W WASHINGTON RM 290
OGDEN UT 56789 PHOENIX AZ 85007

COUNTRY If the Vendor is an Out-of-Country vendor, please send a completed Vendor Setup/Change form to GAO

VENDOR CONTACT/PHONE This field should be filled in with a name and phone # of a contact at the vendor. If you are unable to provide a contact please enter your name and agency phone number.

VENDOR TYPE/ OWNERSHIP Select the appropriate number corresponding to the description.
Select the appropriate code that corresponds to the vendor type.

Doing Business As/ DBA If a Social Security Number is provided (from part I on the W-9) then it MUST be associated with the individuals name and set up a 2xxxxxxxx0 and the first line of the vendor address can be DBA (vendor business name). EXAMPLE: John Jacobs DBA Jacobs Home Repairs. SS # 234567891. Enter as:
Vendor Number: 2234568910,
Vendor Name: JOHN JACOBS,
Address 1: DBA JACOBS HOME REPAIRS,
Address 2: 123 SUNSET BLVD City: TEMPE State: AZ Zip: 85282.
This will affect mail code 000 and 001. If you want warrants printed with the business name only set up a mail code 002 with Jacob Home Repairs as the vendor name.

If a Employer Identification Number is provided (from part I on the W-9) then it MUST be associated with the business name and set up as 1xxxxxxxx0. EXAMPLE John Jacobs DBA Jacobs Home Repairs, Employer Id Number 678912345. Enter As:
Vendor Number: 16789123450,
Vendor Name: JACOBS HOME REPAIRS,
Address 1: 123 SUNSET BLVD City: TEMPE State: AZ Zip: 85282.

1099 INFO Arizona Corporations Must be Incorporated and registered with the Corporation Commission.

Vendors with P.C. in the title are Professional Corporations and should be Vendor Type 5, ownership code C and should be 1099 Yes. These Corporations are usually doctors, dentists, lawyers or accountants.

Vendors with MD., O.D., D.O., or DR. DDS, CPA, title are individual, and should be 1099 Yes. If they are incorporated then there should be a P.C. in the title, then they are a Professional Corporation and will be 1099 yes.

Medical Corporations are hospitals, medical supplies stores and other providers of medical or health care services. A group of physicians can be incorporated and could qualify as a medical corporation.

Vendors with Limited or LTD at the end of the title are Limited Partnerships and should be vendor type 5, ownership code T and must be 1099 Y.

Individuals/Board Members should always be 1099 Y. The Comp Object used to pay claims will determine if the item is 1099 reportable. (Travel reimbursement comp objects are set to 1099 No.)

QUESTIONS?

Please call The General Accounting Office at 542-6228.

BRADFORD R. KEELER

March 3, 1996

Steven L. Rauzi
Oil and Gas Program Administrator
State of Arizona Geological Survey
416 W. Congress
Suite 100
Tucson, Arizona 85701



Dear Mr. Rauzi:

Thank you very much for advising me about the unclaimed "plugging" bond for Arizona State Permit #713, which related to some drilling that Copaquen Associates undertook in Arizona in 1981. This letter will serve as the request to return said bond to me at the following address:

Bradford R. Keeler
212 Bellvale Lakes Road
Warwick, New York 10990.

Frankly, I've forgotten if Copaquen Associates or I, personally, posted the bond but it makes no difference as to the mailing address inasmuch as I remain the President of Copaquen Associates and the address is the same as the one I gave for myself.

If anything else is required or if you have further questions do not hesitate to contact me at the above address or by phone at 914 986-5792.

Yours truly,


Bradford R. Keeler

BRK/mm

Fax 914-986-3299 - pass to Bradford Keeler @ 986-5792



Fife Symington
Governor

State of Arizona
Arizona Geological Survey

416 W. Congress, Suite 100
Tucson, Arizona 85701
(520) 770-3500



Larry D. Fellows
Director and State Geologist

February 26, 1996

file 713

Mr. Bradford R. Keeler
Copaquen Associates
212 Bellvale Lakes Road
Warwick, New York 10990

Re: \$5,000 Cash Bond
Copaquen Associates #1-10 and #1A-10 Pipe Valley Federal
Sec. 10, T. 39 N., R. 5 W., Mohave County, Arizona
State Permit #713

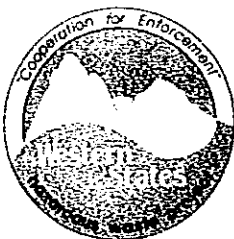
Dear Mr. Keeler:

This letter follows-up my phone call this morning about the referenced cash bond. As I noted, our records show that Copaquen Associates plugged the referenced wells in June 1981 in compliance with rules of the Arizona Oil and Gas Conservation Commission but never requested return of its cash bond.

Since this bond is available for release, I am ready to return it, but only after I receive your written request for its release and return.

Sincerely,

Steven L. Rauzi
Oil and Gas Program Administrator



WESTERN STATES PROJECT

Arizona Office of the Attorney General
1275 W. Washington, Phoenix, Arizona 85007
(602) 542-3881 FAX (602) 542-3522

RECEIVED
ATTY GENL'S OFFICE
FEB 20 1996

MEMBERS

ALASKA
ALBERTA
ARIZONA
CALIFORNIA
COLORADO
HAWAII
IDAHO
NEVADA
NEW MEXICO
OREGON
UTAH
WASHINGTON

ASSOCIATE MEMBERS

BRITISH COLUMBIA
DCIS

PARTICIPATING AGENCY

USEPA/NEIC

MEMORANDUM

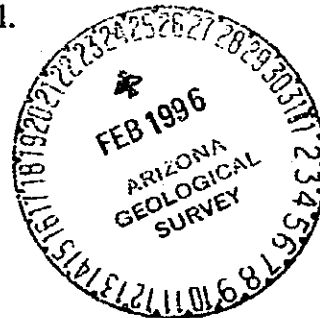
TO: Jon Fiegen
FROM: RoseAnn Wishner *[Signature]*
DATE: February 20, 1996
SUBJECT: Copaquen Associates/Bradford R. Keeler (Request #96-02-339)

Pursuant to your request in locating the current address for Copaquen Associates, I called the company's telephone numbers you provided and was able to locate Bradford Keeler, president. He provided me with the following address for Copaquen Associates:

Copaquen Associates
212 Bellvale Lakes Road
Warwick, NY 10990
(914) 986-5792

I believe this may also be his home address and phone number.

If there is anything else you need, please feel free to call.





Fife Symington
Governor

State of Arizona
Arizona Geological Survey

416 W. Congress, Suite 100
Tucson, Arizona 85701
(520) 770-3500



Larry D. Fellows
Director and State Geologist

February 13, 1996

Memo: Jon B. Fiegen
Assistant Attorney General
Environmental Enforcement Section

From: *SLR* Steven L. Rauzi
Oil & Gas Program Administrator

file 713

Re: Unclaimed bond

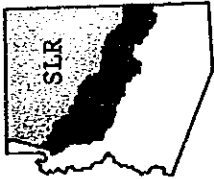
Copaquen Associates drilled, plugged, and abandoned a well in compliance with rules of the Oil and Gas Conservation Commission in 1981 but never requested return of its cash bond.

I understand our options are (1) locate current address through Attorney General's access to computer database, (2) write certified letter, (3) return bond to Copaquen or refer to Department of Revenue as appropriate. Are these correct?

After discussing these options, the Oil and Gas Conservation Commission instructed me to proceed with them in its February 9, 1996, meeting.

I have enclosed for your information (1) my October 4, 1995, letter to Bradford R. Keeler, Copaquen Associates (note copy sent to Bradford R. Keeler home address), (2) returned letter addressed to company address, (3) organization report showing Bradford R. Keeler president of Copaquen Associates, and (4) acknowledgment of receiving certified check from Bradford Keeler on February 27, 1981.

I look forward to learning your results in locating the current address of Bradford R. Keeler, Copaquen Associates Incorporated.

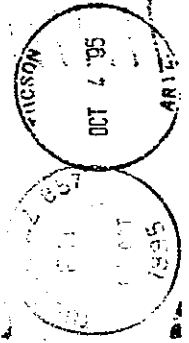
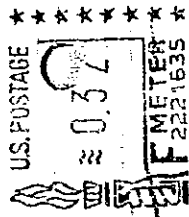


State of Arizona
Arizona
Geological
Survey

416 W. Congress, Suite 100
Tucson, Arizona 85701



ATTEMPTED, UNKNOWN
NEW YORK, NY 10017-9996



MR BRADFORD K KEELER
COPAQUE ASSOCIATES INCORPORATED
521 FIFTH AVE
NEW YORK NY 10017



Fife Symington
Governor

State of Arizona
Arizona Geological Survey

416 W. Congress, Suite 100
Tucson, Arizona 85701
(520) 770-3500



Larry D. Fellows
Director and State Geologist

October 4, 1995

Mr. Bradford R. Keeler
Copaquen Associates Incorporated
521 Fifth Avenue
New York, New York 10017

file 713
this letter returned
"ATTEMPTED, UNKNOWN"

Dear Mr. Keeler:

Our records indicate that the Copaquen Associates Pipe Valley #1-10 and #1A-10 Federal, Sec. 10, T. 39 N., R 5 W., Mohave County, Arizona, were plugged in 1981 in accordance with all applicable rules of the Arizona Oil and Gas Conservation Commission. Our records further show that you have never requested release of the \$5,000 cash bond posted for these wells.

Please let me know your desire with respect to this bond. Thank you.

Sincerely,

Steven L. Rauzi

Steven L. Rauzi
Oil and Gas Program Administrator

c Mr. Bradford Keeler
216 East 77th Street, Apt 5-B
New York, New York 10021

this letter never
returned, but no response
from Bradford Keeler

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS

Bond Serial No. _____

That we: COPAQUEN ASSOCIATES, INCORPORATED
of the County of Manhattan City of New York in the State of NEW YORK
as principal, and _____

of _____
AUTHORIZED TO DO BUSINESS WITHIN the State of Arizona.

as surety, are held and firmly bound unto the State of Arizona and the Oil and Gas Conservation Commission, hereinafter referred to as the "Commission", in the penal sum of \$5,000.00 lawful money of the United States, for which payment, well and truly to be made, we bind ourselves, and each of us, and each of our heirs, executors, administrators or successors, and assigns jointly and severally, firmly by these presents.

The conditions of this obligation are that, whereas the above bounden principal proposes to drill a well or wells for a Geothermal Resource or stratigraphic purposes in and upon the following described land situated within the State, to-wit:

COPAQUEN FEDERAL -- PIPE VALLEY #1-10-39-5 R. SW 1/4 Mohave County, Arizona
(May be used as blanket bond or for single well)

NOW THEREFORE, if the above bounden principal shall comply with all the provisions of the Laws of this State and the rules, regulations and orders of the Commission, especially with reference to the requirements of A.R.S. § 27-652, providing for the proper drilling, casing and plugging of said well or wells, and filing with the Oil and Gas Conservation Commission all notices and records required by said Commission, then in the event said well or wells do not produce Geothermal Resources in commercial quantities, or cease to produce a Geothermal Resource in commercial quantities, this obligation is void; otherwise it shall remain in full force and effect.

Whenever the principal shall be, and declared by the Oil and Gas Conservation Commission in violation of the Laws of this State and the rules, regulations and orders of the Commission, the surety shall promptly:

1. Remedy the violation by its own efforts, or
2. Obtain a bid or bids for submission to the Commission to remedy the violation, and upon determination by the Commission and the Surety of the lowest responsible bidder, arrange for a contract between such bidder and the Commission, and make available as work progresses sufficient funds to pay the cost of remedying the violation; but not exceeding, including other costs and damages for which the surety may be liable hereunder, the amount set forth in the first paragraph hereof.

Liability under this bond may not be terminated without written permission of this Commission.

WITNESS our hands and seals, this 19 day of February, 1981

By: [Signature]
President
COPAQUEN ASSOCIATES, INCORPORATED
Principal

WITNESS our hands and seals this _____ day of _____, 19____

Surety

Surety, Resident Arizona Agent
(If issued in a state other than Arizona)

(If the principal is a corporation, the bond should be executed by its duly authorized officers, with the seal of the corporation affixed. When principal or surety executes this bond by agent, power of attorney or other evidence of authority must accompany the bond.)

Approved Date <u>11/6/81</u>
STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION
By: _____

STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION
Bond
File Two Copies
Form No. -2

Permit No. 713

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS

Bond Serial No. _____

That we: COPAQUEN ASSOCIATES, INCORPORATED

of the County of Manhattan City of New York in the State of NEW YORK

as principal, and _____

of _____ AUTHORIZED TO DO BUSINESS WITHIN the State of Arizona.

as surety, are held and firmly bound unto the State of Arizona and the Oil and Gas Conservation Commission, hereinafter referred to as the "Commission", in the penal sum of \$5,000.00 lawful money of the United States, for which payment, well and truly to be made, we bind ourselves, and each of us, and each of our heirs, executors, administrators or successors, and assigns jointly and severally, firmly by these presents.

The conditions of this obligation are that, whereas the above bounden principal proposes to drill a well or wells for a Geothermal Resource or stratigraphic purposes in and upon the following described land situated within the State, to-wit:

COPAQUEN FEDERAL -- PIPE VALLEY #1-10-39-5 R. SW 1/4 Mohave County, Arizona
(May be used as blanket bond or for single well)

NOW, THEREFORE, if the above bounden principal shall comply with all the provisions of the Laws of this State and the rules, regulations and orders of the Commission, especially with reference to the requirements of A.R.S. § 27-652, providing for the proper drilling, casing and plugging of said well or wells, and filing with the Oil and Gas Conservation Commission all notices and records required by said Commission, then in the event said well or wells do not produce Geothermal Resources in commercial quantities, or cease to produce a Geothermal Resource in commercial quantities, this obligation is void; otherwise it shall remain in full force and effect.

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1. Remedy the violation by its own efforts, or
2. Obtain a bid or bids for submission to the Commission to remedy the violation, and upon determination by the Commission and the Surety of the lowest responsible bidder, arrange for a contract between such bidder and the Commission, and make available as work progresses sufficient funds to pay the cost of remedying the violation; but not exceeding, including other costs and damages for which the surety may be liable hereunder, the amount set forth in the first paragraph hereof.

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WITNESS our hands and seals, this 19 day of February, 1981

By: [Signature]
President
COPAQUEN ASSOCIATES, INCORPORATED
Principal

WITNESS our hands and seals this _____ day of _____, 19____

Surety

Surety, Resident Arizona Agent
(If issued in a state other than Arizona)

(If the principal is a corporation, the bond should be executed by its duly authorized officers, with the seal of the corporation affixed. When principal or surety executes this bond by agent, power of attorney or other evidence of authority must accompany the bond.)

Approved [Signature]
Date _____
STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
By: _____

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Bond
File Two Copies
Form No. -2

Permit No. 713

ORGANIZATION REPORT

Full Name of the Company, Organization, or Individual

CORAVEN ASSOCIATES INCORPORATED

Post Office Address (Box or Street Address)

521 FIFTH AVENUE #1200 NYC 10017

Plan of Organization (State whether organization is a corporation, joint stock association, firm or partnership, or individual)

To search for oil & gas as a corporation

Purpose of Organization (State type of business in which engaged)

To search for oil & gas

If a reorganization, give name and address of previous organization.

If a foreign corporation, give

(1) State where incorporated

NEW YORK

(2) Name and post office address of state agent

Prentice-Hall Corp.
3035 E. Weldon
Phoenix, Arizona 85016

(3) Date of permit to do business in state

11/4/80

Principal Officers or Partners (If partnership)

NAME

TITLE

POST OFFICE ADDRESS

Bradford R. Keeler

President

210 E 77th St
#5B NYC 10021

DIRECTORS NAME

POST OFFICE ADDRESS

Bradford R. Keeler

210 E 77th St
#5B NYC 10021

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the

President

of the

Coraven Associates Inc.

(company), and that I am authorized by said company to make this report; and that this

report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Signature

2/19/81

Date

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

Organization Report

File One Copy

Form No. 1

713

April 10, 1981

Mr. Brad Keeler
Copaquen Associates Inc.
521 - 5th Ave.
New York, N.Y. 10017

Re: Copaquen 1A-10 Federal
State Permit 713

Dear Mr. Keeler:

Enclosed is approved application to drill at the new location for
the above-captioned well.

Also enclosed is your copy of application to abandon and plug
the No. 1-10 Federal.

Yours very truly,

W. E. Allen
Executive Secretary

oa
Enc.

WPA

RECEIVED

APR 10 1981

O & G CONS. COMM.

3660 East 3rd B-3
Tucson, AZ 85716
9 April 1981

Dear Bill:

Enclosed are forms which I hope have been properly completed.

Also enclosed is another summary of Copaquen No. 1 Federal, with a revised location. My trigonometry was in error on the prior location. The No. 1-A well will be located approximately 30 feet southeast of the No. 1 well. Please destroy the initial summary for well No. 1.

The original surveyor's location, marked on the ground with an iron pin, and flagged, has not been drilled, at the suggestion of Cloyd Swapp, district ranger for the BLM. It lies in ground that could possibly be flooded during heavy rains. Therefore, the location was moved a short distance to the northwest in order to be on slightly higher ground. Well No. 1-A will be drilled about 30 feet to the southeast of well No. 1, closer to the original survey point. I hope this clarifies any possible misunderstanding on the location of the wells.

Halliburton will be used to cement surface pipe on well No. 1-A. Hopefully, there will be no further problems.

Very truly yours,



Edgar B. Heylman

602-325-7028

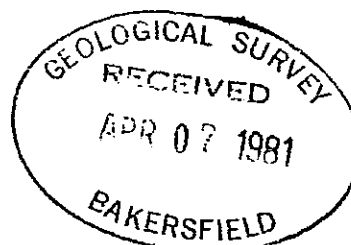
713



UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY
309 Federal Building
800 Truxtun Avenue
Bakersfield, California 93301
805/861-4186

April 1, 1981



RECEIVED

APR 9 1981

O & G CONS. COMM.

State of Arizona
Oil & Gas Conservation Commission
4515 N. 7th Avenue
Phoenix, Arizona 85013

Re: Copaquen Associates Well Pipe
Valley #1-10-39-5, Sec. 10
39N/5W G&SR B&M, Lease A-8084,
Mohave County, Arizona

Attn: Mr. Bill Allen

Gentlemen:

Thank you for letting us know about Copaquen's violations of our drilling procedure requirements. They were asked to let us know when they started to move in to drill the well but did not.

We have ordered that drilling be stopped until they bring the well into conformance with their approved proposal. Casing must be set at the proposed depth and properly cemented and blowout prevention equipment must be installed and tested.

We appreciate very much your help in letting us know about this problem.

Sincerely yours,

J. P. Wagner

J. P. Wagner
District Supervisor

RECEIVED

APR 8 1981

O & G CONS. COMM.



Resource Marketing Services Inc.

821 17th Street, Denver, Colorado 80202 • (303) 892-9185

April 6, 1981

U.S. Geological Survey
800 Truxton
Bakersfield, CA 93301

Attn: John Wagner

Re: Copaquen Associates
° Upper Clayhole
1-19-38-6
Mohave County, AZ

° Pipe Valley
1-10-39-5
Mohave County, AZ ✓

Gentlemen:

Enclosed is a copy of a Sundry Notice which was mailed to you this date. Regarding the 12 Point program, a change has been made in the weight of the 8-5/8" casing. Because of availability, the 32# K-55 casing has been changed to 24# K-55 casing.

Sincerely,

RESOURCE MARKETING SERVICES, INC.

Peter MacDowell

Peter MacDowell

PM/nw

cc: Brad Keeler, Ed Heylum, Jay Grimshaw, State of Arizona

7/3

4-6-81

From: W. E. Allen

Re: Copaquen Pipe Valley No. 1 Federal
Sec. 10, T. 39 N., R. 5 W., Mohave County
State Permit 713

Talked by telephone with Ed Heylmum and informed him that I had written to Brad Keeler outlining the information we would require in plugging the above referenced well.

Also told Ed that we would need a corrected Application to Drill on the new hole and application to plug, plugging report, and completion report on the No. 1 well.

PS Form 3811, Aug. 1978

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

SENDER: Complete items 1, 2, and 3.
Add your address in the "RETURN TO" space on reverse.

1. The following service is requested (check one).
☒ Show to whom and date delivered. 45¢
☐ Show to whom, date, and address of delivery. \$
☐ RESTRICTED DELIVERY
Show to whom and date delivered. \$
☐ RESTRICTED DELIVERY.
Show to whom, date, and address of delivery. \$
(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:
Mr. Brad Keeler
Copaquen Associates Inc.
521 - 5th Ave., N.Y., N.Y. 10017

3. ARTICLE DESCRIPTION:
REGISTERED NO. CERTIFIED NO. INSURED NO.
845069

(Always obtain signature of addressee or agent)
I have received the article described above.
SIGNATURE ☐ Addressee ☐ Authorized agent
Copaquen Associates Inc.

4. DATE OF DELIVERY 4/6

5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE:

POSTMARK
APR 6 1981
STATION NEW YORK

ST. CLERK
INDICATE

UNITED STATES POSTAL SERVICE
OFFICIAL BUSINESS

SENDER INSTRUCTIONS

Print your name, address, and ZIP Code in the space below.

- Complete items 1, 2, and 3 on the reverse.
- Attach to front of article if space permits. Otherwise affix to back of article.
- Endorse article "Return Receipt Requested" adjacent to number.

PENALTY FOR PRIVATE
USE TO AVOID PAYMENT
OF POSTAGE, \$300



RETURN
TO



Oil & Gas Conservation Commission

1645 W. Jefferson, Ste. 420

(Street or P. O. Box)

Phoenix, Ariz. 85007

(City, State, and ZIP Code)

CERTIFIED MAIL
April 2, 1981

Mr. Brad Keeler
Copaquen Associates Inc.
521 - 5th Ave.
New York, N.Y. 10017

Re: Pipe Valley 1-10
NW/4 NE/4 sec. 10, T. 39 N., R. 5 W., Mohave County
State Permit 713

Dear Mr. Keeler:

It has come to our attention that in drilling the above referenced well the plan as set out on our Form 3, Application to Drill, was not followed. For instance, you indicated on Form 3 that you planned to run 9 5/8" surface casing to be set at 300 feet and cemented with 110 sacks of cement. You ran 7 5/8" casing and cemented with 7 sacks of cement and 7 sacks of sand.

Now we fully realize that circumstances during drilling may justifiably change the casing program. However, in the event of a substantial change this Commission must be notified. There can be no justifiable reason to substitute the use of 7 sacks of cement for the proposed 110 sacks as was approved on Form 3.

Please refer to Rule 108 A, Surface Casing Requirement. This rule plainly states that surface casing will be cemented in such a manner as to fill the annulus to the top of the hole. In other words, the surface casing shall be cemented from top to bottom.

The United States Geological Survey has primary authority over the subject well and they have informed us that you will plug this hole and drill at a new location. It will be necessary that you file an amended Form 3,

his Commission would have drilling and completion someone lacked the know-hydrocarbons.

No. 845069

RECEIPT FOR CERTIFIED MAIL—30¢ (plus postage)	
SENT TO	Brad Keeler, Copaquen Assoc. Inc.
STREET AND NO.	521 - 5th Ave.
P.O., STATE AND ZIP CODE	New York, N.Y. 10017
OPTIONAL SERVICES FOR ADDITIONAL FEES	
RETURN RECEIPT SERVICES	1. Shows to whom and date delivered 15¢ With delivery to addressee only 65¢
DELIVER TO ADDRESSEE ONLY	2. Shows to whom, date and where delivered 35¢ With delivery to addressee only 85¢
SPECIAL DELIVERY (extra fee required)	50¢
PS Form 3800 Apr. 1971 NO INSURANCE COVERAGE PROVIDED—NOT FOR INTERNATIONAL MAIL (See other side)	
GPO: 1972 O - 480-743	

CERTIFIED MAIL
April 2, 1981

Mr. Brad Keeler
Copaquen Associates Inc.
521 - 5th Ave.
New York, N.Y. 10017

Re: Pipe Valley 1-10
NW/4 NE/4 sec. 10, T. 39 N., R. 5 W., Mohave County
State Permit 713

Dear Mr. Keeler:

It has come to our attention that in drilling the above referenced well the plan as set out on our Form 3, Application to Drill, was not followed. For instance, you indicated on Form 3 that you planned to run 9 5/8" surface casing to be set at 300 feet and cemented with 110 sacks of cement. You ran 7 5/8" casing and cemented with 7 sacks of cement and 7 sacks of sand.

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Please refer to Rule 108 A, Surface Casing Requirement. This rule plainly states that surface casing will be cemented in such a manner as to fill the annulus to the top of the hole. In other words, the surface casing shall be cemented from top to bottom.

The United States Geological Survey has primary authority over the subject well and they have informed us that you will plug this hole and drill at another location. It will be necessary that you file an amended Form 3, Application to Drill, for this new well.

We regret that this situation has developed. This Commission would have been pleased to help and advise your people on drilling and completion requirements had we been aware that apparently someone lacked the knowledge or expertise in drilling a test well for hydrocarbons.

STICK POSTAGE ST
CERTIFIED MAIL FEE
1. If you want this receipt
side of the article, tear
window or hand it to
2. If you do not want
the address side of
3. If you want a return
a return receipt on
4. If you want the ar
ADDRESS ONLY
5. Save this receipt
service is request

Copaquen Associates Inc.
April 2, 1981
Page 2

A plugging report and completion report will be required upon completion of the subject well.

Very truly yours,

W. E. Allen
Executive Secretary

WEA:os
Enc.

March 2, 1981

Brad Keeler
Copaquen Associates Inc.
521 - 5th Ave.
New York, New York 10017

Re: Permit No. 713
Pipe Valley 1-10 Federal, Mohave County

Dear Mr. Keeler:

Enclosed are Permit to Drill, approved Performance Bond, approved Application to Drill, receipts, and other pertinent papers concerning the above-named well.

Yours truly,

OEnone A. Stacey
Secretary

Encs.

COPAQUEN ASSOCIATES INCORPORATED

521 FIFTH AVENUE
NEW YORK, N. Y. 10017
(212) 683-3421 / 288-7702

Re: Pipe Valley 1-10 Federal
Mohave County, Arizona

Dear Mr. Whittaker

The inclosed check is
certified, sorry for the confusion
at my "end".

Thank you
Brad Kuler

Rec'd check for \$5,000.00
2-27-81



OFFICE OF
Oil and Gas Conservation Commission
STATE OF ARIZONA
1645 WEST JEFFERSON, SUITE 420
PHOENIX, ARIZONA 85007
PHONE: (602) 255-5161

February 23, 1981

Mr. Brad Keeler
Copaquen Associates
216 E. 77th St., #5
New York, New York 10021

Re: Check for Performance Bond

Dear Mr. Keeler:

The state can accept only a certified or cashier's check for a performance bond. Enclosed is the counter check submitted. Upon receipt of a cashier's check from you, we will approve your application to drill.

Yours truly,

A handwritten signature in cursive script, reading "Don Whittaker".

Don Whittaker
Director
Enforcement Section

DW:os
Enc.

February 24, 1981

Mr. Brad Keeler
Copaquen Associates, Inc.
216 E. 77th St., #5
New York, New York 10021

Re: Permits to drill
Upper Clayhole No. 1-19 Federal
Pipe Valley No. 1-10 Federal
Mohave County

Dear Mr. Keeler:

This is to advise you that the above-captioned permits to drill expire February 26, 1981.

By this letter we are granting a 90-day extension for both of these wells. Please advise if you do not intend to drill the Upper Clayhole No. 1-19 Federal and we will cancel this permit on its next expiration date, which will be May 25th.

Yours truly,

Don Whittaker
Director
Enforcement Section

DW:os

February 3, 1981

Mr. Peter McDowell
Resource Marketing Services Inc.
821 - 17th Street
Denver, Colorado 80202

Dear Mr. McDowell:

Pursuant to our conversation with reference to performance bonds on the two Copaquen wells, we will need a separate bond application for each well. As I stated in our conversation, make sure the exact location is on the application form.

We will also need a separate check for each well, in case one is a dry hole and one a producer, in order to be able to return the bond fund as needed.

Yours truly,

Don Whittaker
Director
Enforcement Section

DW:os

Enc.: Bond Forms
Organization Report Forms

P.S. We have never received an Organization Report for Copaquen Associates and must have before permit can be issued.

December 1, 1980

Mr. Peter MacDowell
Resource Marketing Services Inc.
821 - 17th St.
Denver, Colo. 80202

Re: Copaquen Associates
Pipe Valley #1-10 Federal — 713
Upper Clayhole #1-19 Federal
Request for extension

Dear Mr. MacDowell:

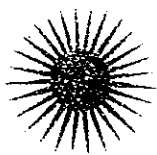
It is the state's policy to grant extensions in 90-day increments only. By this letter we hereby grant extensions to the above captioned wells from November 28, 1980, through February 26, 1981.

As soon as we have received the bonds for these two wells, we will send you the permits.

Yours, truly,

Don Whittaker
Director
Enforcement Section

DW:os



Resource Marketing Services Inc.

821 17th Street, Denver, Colorado 80202 • (303) 892-9185

November 26, 1980

RECEIVED

NOV 26 1980

O & G CONS. COMM.

State of Arizona
Oil & Gas Conservation Commission
1645 W. Jefferson Street # 420
Phoenix, AZ 85007

Attn: Don Whittaker

Re: Copaquen Associates ✓
Pipe Valley # 1-10-39-5 713 ✓
Upper Clayhole # 1-19-38-6 712
Request for Extension

Dear Sir:

This letter will serve as a request for an extension to March 15, 1981, for the Application to Drill on the above two referenced wells. Please find attached a copy of the Sundry Notice to the U.S. Geological Survey requesting the same extension.

Kindly show agreement to this request by signature in the space provided and return an executed copy of this office.

Thank you for your attention to this matter.

Very truly yours,

PETER MACDOWELL
Agent

Extension Approved:

Name	Title	Date
------	-------	------

cc: Brad Keeler, Edgar Heylum

November 21, 1980

Copaquen Associates
216 E. 77th St., Apt. 5-B
New York, New York 10021

Re: Upper Clayhole 1 Federal
Pipe Valley 1 Federal ✓

Dear Sir:

We have not received the performance bond for the Copaquen wells.

As you are aware we are still holding these permits for this reason. The expiration date of the permits is November 28. If you are still planning to drill these locations, a 90-day extension will be granted upon request at no charge. However, we will continue to hold the permits until satisfactory bonding has been submitted.

Yours truly,

Don Whittaker
Director
Enforcement Section

DW:os

713

303-892-9185

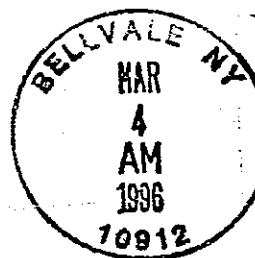


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